

19981113.qrp v01_n275.qrs.981113

Date: Fri, 13 Nov 1998 19:05:50 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1275

QRP-L Digest 1275

Topics covered in this issue include:

- 1) [24941] MFJ-9406 on CW
by =?UNKNOWN?Q?Vicen=E7_Ll=E0rio?= <vllario@eic.ictnet.es>
- 2) [24942] Re: N/T+ Foxes--Work 'em!
by "David Ek" <ekdave@earthlink.net>
- 3) [24943] The Hensley Paddle: Move Over Mercury
by Ed Tanton <n4xy@att.net>
- 4) [24944] Re: N/T+ Foxes--Work 'em!
by "Bill Todd" <bill@willapabay.org>
- 5) [24945] F.S. Hard Case
by "Greg Breeden" <al0a@hotmail.com>
- 6) [24946] FS QRP S&S
by RangerSF5@aol.com
- 7) [24947] ST LOUIS TUNER
by Roy <marion@montana.com>
- 8) [24948] RELAYS NEEDED
by Dennis Brickey <n4dd@preferred.com>
- 9) [24949] fox, novice
by k5ubs@juno.com (Oscar A Hoyt)
- 10) [24950] FOX: Fish in a barrel
by Shepherd@aol.com
- 11) [24951] Re: Wanted: MFJ-418 Morse Code Tutor
by Rick Sealey <rsealey@InfoAve.Net>
- 12) [24952] NASA ASTROBIOLOGY TO SHOWER ATTENTION ON LEONIDS
by Scott Howell <whowell@hq.nasa.gov>
- 13) [24953] QRP Tuner
by w2xn@juno.com (Fred J Kalt)
- 14) [24954] Re: The Hensley Paddle: Move Over Mercury
by "Radman" <radman@best.com>
- 15) [24955] FS: NC38S
by Harry Bump <bump-km3d@redrose.net>
- 16) [24956] unsubscribe
by MSU1972@aol.com
- 17) [24957] Re: Wanted: MFJ-418 Morse Code Tutor
by mwattcpa@earthlink.net (Marty Watt)
- 18) [24958] FOX - N/T+ Fox Log for 11/13/98 UTC
by brian <brian@iquest.net>
- 19) [24959] N/T+ FOX Brian = Nice Job!

by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
20) [24960] digest
by Roger Braker <msebrakr@telepath.com>
21) [24961] Special QRP-L offer for G3RJV Sixpacks
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
22) [24962] Fox Hunt
by w2xn@juno.com (Fred J Kalt)
23) [24963] Fox
by "Steve Sorrell" <ap036@detroit.freenet.org>
24) [24964] Got *Both* FOXes
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
25) [24965] Re: unsubscribe
by we6w@juno.com (Ed Loranger)
26) [24966] Re: WA8GHZ - Sigs into CO - TNX Jack
by Vince Kumagai <sonofullr@idcomm.com>
27) [24967] Re: QRP RTTY SUCCESS
by Dick Schneider <rschneid@ix.netcom.com>
28) [24968] Ooops, forgot to include address for G3RJV 6 Pack Offer
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
29) [24969] FOX: re:Got *Both* FOXes
by Macstein@aol.com
30) [24970] FOX:WA8GHZ
by Tom Palmer <n1tp@worldnet.att.net>
31) [24971] Elmer200: Lab 2
by Chuck Adams <adams@ticnet.com>
32) [24972] FS: Logikey K-3
by mwattcpa@earthlink.net (Marty Watt)
33) [24973] FOX: Draft Log - OldFart- WA8GHZ - Long
by JFD / WA8GHZ /5 <jdougher@wt.net>
34) [24974] Twice Skunked!
by kf2ph@juno.com (Nick J Franco)
35) [24975] The Perfect Day
by Dick Schneider <rschneid@ix.netcom.com>
36) [24976] Re: FS: Logikey K-3
by mwattcpa@earthlink.net (Marty Watt)
37) [24977] 40M Calling Freq.
by mwattcpa@earthlink.net (Marty Watt)
38) [24978] Re: Emtech ZM-2 ATU
by heatherex@juno.com (Rex E Pickett)
39) [24979] More Leonids
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
40) [24980] Re: Wanted: MFJ-418 Morse Code Tutor
by Rick Sealey <rsealey@InfoAve.Net>
41) [24981] RE: Fish in a barrel
by "Doyle, Ronald D" <RD130947@exchange.DAYTONOH.NCR.com>
42) [24982] Fox: Reminder NT+ on the loose Tonight!
by applitech@mcg.net (Claton Cadmus)
43) [24983] Re: Audio Phase shifter number of poles, etc.

by John Levreault <jlevro@mediaone.net>
44) [24984] FOX: need Team member (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
45) [24985] Re: 40M Calling Freq.
by Dave Sjolín <sjolin@swbell.net>
46) [24986] Cascade QRP Tigard, OR Meeting
by "Bruce Prior" <n7rr@hotmail.com>
47) [24987] Replacement Transistor
by David Shalita <af389@lafn.org>
48) [24988] EMI probe-HomeBrew
by David Shalita <af389@lafn.org>
49) [24989] FS: NC38S
by Harry Bump <bump-km3d@redrose.net>
50) [24990] RE: W7EL Wattmeter: Has it been kitted?
by Larry East <w1hue@amsat.org>
51) [24991] FD 98 W0CQC
by alan dawkins <alk0frp@earthlink.net>
52) [24992] RE: The Hensley Paddle: Move Over Mercury
by Larry East <w1hue@amsat.org>
53) [24993] 38 Special - fixed!
by "Robert Armstrong" <barmstrong@sisna.com>
54) [24994] 18 G3RJV Six Packs Left
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
55) [24995] Help;I stole a SWR Kit
by "ukii" <ukii@megsinet.net>
56) [24996] RE; 300 Ohm Ladder Line - Satisfied User
by jbartac@max.state.ia.us (Jerry Bartachek)
57) [24997] FOX: Weekly Rules Repost
by "Paul R. Valko" <prvalko@oakland.edu>
58) [24998] Re: More Leonids
by Paul Harden <pharden@aoc.nrao.edu>
59) [24999] Re: Got *Both* FOXes
by Dave Ek <ekdave@earthlink.net>
60) [25000] Re: More Leonids
by "Bill Todd" <bill@willapabay.org>
61) [25001] 10 turn pot counter
by Jim Lyons <jlyons@CAM.ORG>
62) [25002] beacon
by Scott Howell <whowell@hq.nasa.gov>
63) [25003] Fire-Ball info for the WWW
by Jim <kj5tf@madisoncounty.net>
64) [25004] ELMER200: FT-243 XTAL Socket
by Sam Billingsley <SBillingsley@usaninc.com>
65) [25005] Re: ELMER200: FT-243 XTAL Socket
by James P Rybak <jrybak@mesa7.mesa.colorado.edu>
66) [25006] Re: E-v-e-n More Leonids
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
67) [25007] Re: 10 turn pot counter (the search)

by "Radman" <radman@best.com>

68) [25008] ELMER200: Oscillator Design and the RF Design Handbook Group Buy
by Sam Billingsley <SBillingsley@usaninc.com>

69) [25009] Re: beacon
by "Ron Smith" <resmith666@uswest.net>

70) [25010] FOX: First Notice--AB0G0--18 Nov 0200 UTC
by Dave Ek <ekdave@earthlink.net>

71) [25011] Re: 10 turn pot counter (the search)
by "Michael A. Gipe" <mgipe@reliablemeters.com>

72) [25012] Re: ELMER200: FT-243 XTAL Socket
by applitech@mcg.net (Claton Cadmus)

73) [25013] Re: ELMER200: FT-243 XTAL Socket
by James Skalski <jskalski@buffnet.net>

74) [25014] Re: ELMER200: FT-243 XTAL Socket
by ka1iic <ka1iic@ime.net>

75) [25015] repost of the beacon info
by Scott Howell <whowell@hq.nasa.gov>

76) [25016] Re: E-v-e-n More Leonids
by "John J. McDonough" <jjmcd@tm.net>

77) [25017] SG-2020 HF Transceiver
by w2xn@juno.com (Fred J Kalt)

78) [25018] Test
by Ed <edn4pk@voyageronline.net>

79) [25019] Again
by Ed <edn4pk@voyageronline.net>

80) [25020] Re: 10 turn pot counter (the search)
by Jim Lyons <jlyons@CAM.ORG>

81) [25021] Changing Band condx.
by Ed Loranger <we6w@qsl.net>

82) [25022] Elmer200: Lab 2 Confusion
by Chuck Adams <adams@ticnet.com>

83) [25023] Re: 10 turn pot counter (the search)
by "Radman" <radman@best.com>

84) [25024] Epiphyte QRP-SSB on the air
by wb8ygg@juno.com

85) [25025] Help Auto ON/OFF circuit for W7EL Wattmeter
by applitech@mcg.net (Claton Cadmus)

86) [25026] IC-706 Pinout Question
by Dale Scott <dcscott@us.ibm.com>

87) [25027] Final reminder for N/T+ FOX tonight!
by applitech@mcg.net (Claton Cadmus)

88) [25028] FFT with PC Sound Card?
by Ed Manuel <n5em@flash.net>

89) [25029] Re: E-v-e-n More Leonids
by "Bill Todd" <bill@willapabay.org>

90) [25030] Info. on Bobtail Curtain, Please!
by Jim Lowman <jmlowman@ix.netcom.com>

91) [25031] QRP Classics and QRP Power Books

- by Pierre Constantineau <pierre@cmpe.ubc.ca>
- 92) [25032] Re: FFT with PC Sound Card?
by Bill Jones <kd7s@psnw.com>
- 93) [25033] Re: Info. on Bobtail Curtain, Please!
by Ed <edn4pk@voyageronline.net>
- 94) [25034] Re: Help Auto ON/OFF circuit for W7EL Wattmeter
by James Skalski <jskalski@buffnet.net>
- 95) [25035] Re: 40M Calling Freq.
by k7sz@epix.net
- 96) [25036] Re: Info. on Bobtail Curtain, Please!
by Grant Taylor <k7gt@qsl.net>
- 97) [25037] SV: FFT with PC Sound Card?
by "Johan Bodin" <sm6lkm.jbeab@swipnet.se>
- 98) [25038] Re: FOX: need Team member
by "Edward A Kwik jr" <eakwikjr@hti.com>

Date: Fri, 13 Nov 1998 02:09:40 -0800
From: =?UNKNOWN?Q?Vicen=E7_Ll=E0rio?= <vllario@eic.ictnet.es>
To: qrp-l@Lehigh.EDU
Subject: [24941] MFJ-9406 on CW
Message-ID: <364C0564.D12@eic.ictnet.es>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all the QRP crew!

I would appreciate some feedback concerning performance of the MFJ-9406 on CW (with the option MFJ-416). I have the possibility to buy one but here abt 100% CW. Thank you in advance for any comments or advice. Please reply to my e-mail at vllario@eic.ictnet.es

Best 72 de EA3ADV QRP

Date: Thu, 12 Nov 1998 17:21:44 -0700
From: "David Ek" <ekdave@earthlink.net>
To: <qrp-l@lehigh.edu>
Cc: <bill@willapabay.org>
Subject: [24942] Re: N/T+ Foxes--Work 'em!
Message-ID: <000501be0e9b\$b3dedec0\$01bc2499@davidek>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

No more points for working the same guy on subsequent runs, but you do get the satisfaction of helping these folks with their CW proficiency! Work 'em again (and again, and again...). We won't mind.

73 de Dave AB0GO

>Question:

>I have already worked a couple of N/T Foxes, and it was great fun. The question is, is it permissible to work one of the same N/T Foxes AGAIN?

>I don't want to prevent someone else from working the critter, but I am also

>wondering if a Fox Hunter gets additional points for working the same N/T+
>Fox a second time.

>Answers?

>Thanks! Bill-N7MFB

><http://www.willapabay.org/~bill>

>ICQ me @ 8926298

Date: Thu, 12 Nov 1998 20:01:16 -0500

From: Ed Tanton <n4xy@att.net>

To: cw@qth.net

Cc: QRP-L Reflector <qrp-l@Lehigh.EDU>

Subject: [24943] The Hensley Paddle: Move Over Mercury

Message-ID: <3.0.5.32.19981112200116.00cb7650@postoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I first 'met' Donald Hensley when he emailed [CW] to say he was working on a new paddle design, and to let him know if you were interested. I immediately perked up, and emailed him back, offering to help with any advice, or whatever else he might need-including a sight-unseen order. I was pretty sure that he knew what he was doing, and it sounded great! I have had mine now for about two weeks-and it IS great! This 'review' is going to be so positive, let me state up front, I paid full price for my Hensley.

When it finally arrived (SN: 002!!) it was gorgeous! It is difficult not to

make Mercury-Hensley comparisons, and I won't do it a lot... but I had wondered how you could do better. First, there's the hexagonal top bearing block (I had to ask Donald what to call it.) It is one of the first and most striking things about a "Hensley". And if you don't know who made it, just look on top of the block. It is very deeply stamped, right into the block.

A truly top notch keyer has to have a deeply chromed finish. This one looks like it's a mile deep. The fit and finish everywhere is perfect. In a conversation via email, I learned that you had better stay out of the top-end paddle market if you cannot work to a 0.0002 tolerance on the bearing bores and shafts. I wouldn't know myself, but I can say that after several weeks of on-the-air workouts, I have never used a sounder, more well-made paddle. The proof there came in the ability to get the spacing down to nearly-nothing and still be sending as solidly as ever.

I really BANG a paddle, and so I had some concerns about the magnets, and whether they could really cut the mustard if I wanted truly hard return action. I started to closing the magnet-gap, while sending, looking for a plateau. Much to my surprise, I could actually achieve MUCH MORE return-force than I believe anyone could need or want. The converse works as well: the bearings Donald used are SO smooth, you can back-off the magnets to a VERY slight pull, and still have a clear, crisp return to position and feel.

Keys of this caliber are a rarity. There are simply not that many master machinists around who are willing to put the time and effort into what can only be called a labor of love. The cost of the materials, and the time and effort when the profit margin is not going to be that great requires something extra. I have always appreciated a craftsman and the products they make. The nice thing about this one is I get to use it as well-not just look at it. Donald told me he will have a batch ready in time for Christmas, but if you want to own one of these superb keys by then, I would get it ordered.

Price Class: \$465 ppd

You can see the photos at: <http://www.qsl.net/n9bor/hensley.htm>

You can contact Donald at:

email: "Donald Hensley" <rudy@inna.net>

Donald Hensley
P.O. Box 338
Ark, VA 23003

"Think you can, think you can't: either way you're right!" Henry Ford

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>No more points for working the same guy on subsequent runs, but you do get
>the satisfaction of helping these folks with their CW proficiency! Work 'em
>again (and again, and again...). We won't mind.
>
>73 de Dave AB0G0
```

Boy, I must have missed that section of the rules when they came out. Doc and Paul told me the same thing as you did.

CUL, Bill-N7MFB
<http://www.willapabay.org/~bill>
 ICQ me @ 8926298

Date: Thu, 12 Nov 1998 17:52:47 PST
From: "Greg Breeden" <al0a@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [24945] F.S. Hard Case
Message-ID: <19981113015248.10650.qmail@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain

I have a brand new Hard shell case for sale. This case was used for RCA video Cameras. The Case is constructed of hard plastic and has a hinge across the back much like a brief case. It's black and has molded plastic pockets inside where the Camcorder accessories were stored. These could easily be trimmed to fit your qrp rigs and plenty of accessories. The size is approx. 4" thick x 11" tall x 14" wide. (upright) Comes with a box.

I am asking \$10 plus shipping from 47469.

Greg Breeden
P.O. Box 125
West Baden, IN 47469
812-936-2188

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 12 Nov 1998 21:06:33 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu, qrp@qth.net
Subject: [24946] FS QRP S&S
Message-ID: <759ee9ce.364b9429@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

For sale
ARK -30 Meter with Tick keyer installed.
A-1 condition.
Super RX, Audio filter, rit etc.
NOTE!!
This is NOT my super modified ARK 30-Meter.
Asking \$170.00 shipped.

Bob
WA2HOQ
NorCal ZOMBIE # 243
MFJ ZOMBIE # 1

Date: Thu, 12 Nov 1998 19:45:43 -0700
From: Roy <marion@montana.com>
To: qrp-1@Lehigh.EDU
Subject: [24947] ST LOUIS TUNER
Message-ID: <199811130242.TAA20049@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone have an extra ST Louis tuner that they want to get rid of?
Preferably unbuilt, but built unit considered. Thanks Roy AB7CE

Date: Thu, 12 Nov 1998 21:59:14 -0500
From: Dennis Brickey <n4dd@preferred.com>
To: qrp-1@lehigh.edu
Subject: [24948] RELAYS NEEDED
Message-ID: <1.5.4.32.19981113025914.0067695c@preferred.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am trying to build up a sloper system and need to find 4 potter brumfield
relays model number MR11D. or an equivalent. Hoping to find something
inexpensive if possible but I'll consider whatever. Thanks and 72 de
Dennis/N4DD

Date: Thu, 12 Nov 1998 21:01:49 -0600
From: k5ubs@juno.com (Oscar A Hoyt)
To: qrp-1@Lehigh.EDU
Subject: [24949] fox, novice
Message-ID: <19981112.210429.8566.0.k5ubs@juno.com>

Got my first fox, Brian kb9bvn, novice but still a fox and still QRP. Had
a bowl of soup and sandwich now ready to go after the other one..
Brian was doing a good job...
Oscar K5UBS Ham since 55

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or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 12 Nov 1998 22:03:59 EST
From: Shephed@aol.com
To: doyley@UH2297P01.DAYTONOH.ncr.com, qrp-1@lehigh.edu,
richard_d._powell@belcan.com
Subject: [24950] FOX: Fish in a barrel
Message-ID: <1b60ad53.364ba19f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Man is 40 perfect or what?

I was trying to get the N/T+ FOX tonight (not a peep out of him, sorry guy, I tried) when I realized that I was 45 minutes late for the hunt. OH CRAP!

Tune down, listen.... no FOX, no PACK.... crap!
I tune up to around 7.045 and BINGO! There he was, solid 559.
I take aim, shoot a few times and BOOM, to the ground he goes!

Great job tonight Jack!

Also I heard one of my team mates Ron, N8VAR bag him right after me, now that's hunting! Way to go Ron! Rich, how about you?

72, 73
Dan, N8IE
QRP-1 #1404

Date: Thu, 12 Nov 1998 21:53:42 -0500
From: Rick Sealey <rsealey@InfoAve.Net>
To: RickM@firstlogic.com
Cc: qrp-1@lehigh.edu
Subject: [24951] Re: Wanted: MFJ-418 Morse Code Tutor
Message-ID: <1.5.4.32.19981113025342.01085c5c@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 12:19 PM 11/12/98 -0600, you wrote:
>I would like to buy a used MFJ-418 Pocket Morse Code Tutor.
>
>Anyone having one for sale, please e-mail me directly.
>
>Thanks, Rick KB9TKG
>rickm@firstlogic.com
>

Rick,

In the current (November) Tech America sale flyer on page 18, a Vectronics Professor Morse code tutor is listed on sale for \$39.95. Since Vectronics is part of MFJ and this thing appears identical to the 418, it would be worth checking out as that would be quite a deal (IMHO). <http://www.techam.com>

72,
Rick - W4SEA

Date: Thu, 12 Nov 1998 22:19:55 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-1@lehigh.edu
Subject: [24952] NASA ASTROBIOLOGY TO SHOWER ATTENTION ON LEONIDS
Message-ID: <3.0.5.32.19981112221955.007e7530@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

thought the group might find this of interest.
72/73 de Scott/n3byy
Laurel MD

>Date: Thu, 12 Nov 1998 13:50:19 -0500 (EST)
>From: NASANews@hq.nasa.gov
>Subject: NASA ASTROBIOLOGY TO SHOWER ATTENTION ON LEONIDS
>Sender: owner-press-release@lists.hq.nasa.gov
>To: undisclosed-recipients;;
>
>Donald Savage
>Headquarters, Washington, DC
>(Phone: 202/358-1727)
>
>Kathleen Burton
>Ames Research Center, Moffett Field, CA
>(Phone: 650/604-1731)

November 12, 1998

>
>RELEASE: 98-202

>
>NASA ASTROBIOLOGY TO SHOWER ATTENTION ON LEONIDS

>
> On Nov. 17, NASA scientists will conduct unprecedented,
>detailed aircraft and ground measurements of the Leonid meteor
>storm.

>
> The Leonid meteors originate from a trail of dust and debris
>in the wake of the comet Tempel-Tuttle, which orbits the Sun every
>33 years. The Earth crosses this trail every November, but every
>33 years the debris trail is especially dense, sometimes resulting
>in a meteor storm. The "shooting stars" streak through Earth's
>upper atmosphere, sometimes at rates of up to thousands per hour.
>The storm's peak lasts approximately one hour. This year, Earth is
>expected to pass a region just behind the comet and outside of its
>orbit, a favorable set of conditions for a larger-than-normal storm
>event. The best viewing of this storm will be in eastern Asia and
>the western Pacific region.

>
> NASA's mission consists of two research aircraft that will
>carry a broad array of scientific instruments to observe and
>explore the meteors. Operating simultaneously, the aircraft will
>provide three-dimensional views, making high-resolution
>stereoscopic images and spectrographic observations of meteor
>dynamics and chemistry. A team of interdisciplinary scientists --
>astronomers, atmospheric physicists and meteor specialists -- will
>use state-of-the-art-sampling techniques to provide a "window on
>the sky" over Japan during the storm.

>
> "The central theme of this mission is astrobiology," said
>Peter Jenniskens, mission principal investigator and astronomer at
>the Search for Extraterrestrial Intelligence (SETI) Institute,
>Mountain View, CA. "We are especially interested in learning the
>composition of Tempel-Tuttle's debris, the molecules that are
>created during the meteor's interaction with the Earth's
>atmosphere, and the composition and chemistry of the atoms,
>molecules and particles detected in the meteor's path. This may
>help us understand how extraterrestrial materials helped create the
>conditions on Earth necessary for the origin of life."

>
> The Leonid mission is NASA's first operational astrobiology
>mission. Astrobiology is the study of the origin, evolution and
>destiny of life in the universe. The mission may provide important
>clues about what extraterrestrial materials were brought to Earth
>by comets, and what part that may have played in the beginnings of
>life on Earth, as well as clues on how biogenic compounds formed in

>stars are eventually incorporated into planets.

>

> A modified L-188C Electra aircraft from the National Oceanic
>and Atmospheric Administration's (NOAA) National Center for
>Atmospheric Research in Boulder, CO, and sponsored by the National
>Science Foundation, will act as the mission "spotter" and recorder.
>It will carry a two-beam Lidar, a type of radar with light pulses
>that measures the altitude of neutral atom debris in the meteor
>trails. Other instruments include airglow, visible wavelength
>imagers and high-definition TV cameras.

>

> Scientists aboard the first aircraft are seeking to learn
>how a meteor's mass compares to its brightness and to the mass of
>the resulting comet. Currently, they can only guess how much
>material enters the atmosphere during a meteor bombardment.
>Researchers will compare the meteor's image with information from
>the dual Lidar, providing an indication of the chemical evolution
>of the meteor debris.

>

> The second aircraft, a U.S. Air Force-owned FISTA (Flying
>Infrared Signatures Technology Aircraft) from Edwards Air Force
>Base, CA, will have 20 upward-looking portholes to observe the
>meteors. It will carry imagers and infrared and visible-light
>spectrometers to dissect the meteor's light in search of the
>fingerprint of atoms and molecules.

>

> The mission will fly out of Kadena AFB in Okinawa, Japan,
>over the East China Sea. The FISTA aircraft will fly as high as
>39,000 feet to be above the lower atmosphere's water vapor layer,
>while the Electra will maintain an altitude of about 22,000 feet,
>just above the clouds.

>

> NASA's Ames Research Center, Moffett Field, CA, is
>collaborating in this international effort with the SETI Institute,
>the National Science Foundation and several other science
>organizations. Aircraft and other support are being provided by
>NOAA and the U.S. Air Force. Instruments are being contributed by
>the University of Illinois at Urbana; the Aerospace Corporation;
>the Air Force Research Laboratory; the Japanese Broadcasting
>Company (NHK); Kobe University, Japan; the Ondrejov Observatory
>(Czech Republic); Mt. Allison University (Canada); the SETI
>Institute; and the University of East Anglia, England.

>

> Additional information on the Leonid meteor storm and the
>mission can be found on the worldwide web at: [http://www-](http://www-space.arc.nasa.gov/~leonid/)
>[space.arc.nasa.gov/~leonid/](http://www-space.arc.nasa.gov/~leonid/). During the mission, video animation
>and images will be available at:

>

> http://leonid.arc.nasa.gov
>
> - end -
>
>
>
> * * *
>
>NASA press releases and other information are available automatically
>by sending an Internet electronic mail message to domo@hq.nasa.gov.
>In the body of the message (not the subject line) users should type
>the words "subscribe press-release" (no quotes). The system will
>reply with a confirmation via E-mail of each subscription. A second
>automatic message will include additional information on the service.
>NASA releases also are available via CompuServe using the command
>GO NASA. To unsubscribe from this mailing list, address an E-mail
>message to domo@hq.nasa.gov, leave the subject blank, and type only
>"unsubscribe press-release" (no quotes) in the body of the message.
>
>
>
>

Date: Thu, 12 Nov 1998 22:23:11 -0500
From: w2xn@juno.com (Fred J Kalt)
To: qrp-l@lehigh.edu
Subject: [24953] QRP Tuner
Message-ID: <19981112.222314.-899379.6.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all,

I am looking for suggestions for a tuner for QRP. I have heard the names of St. Louis and Rainbow so far mentioned here, but not familiar with any of them. I have an MFJ that has a range of 30 watts, but 5 watts does not give me full scale on the meter to adjust for SWR readings. Suggestions direct would be greatly appreciated.

Fred W2XN (alias KE6ZX)
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP
#233 QRP-L #1728

My Web Page:

<http://www.geocities.com/ResearchTriangle/Thinktank/5344/>

Date: Thu, 12 Nov 1998 19:22:10 -0800
From: "Radman" <radman@best.com>
To: <n4xy@att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [24954] Re: The Hensley Paddle: Move Over Mercury
Message-ID: <199811130320.TAA16125@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed et al,

Indeed ! If Elvis Aaron Presley came back to Earth as a telegrapher, he would own Don Hensley paddles -- probably a set of five. I've dreamt, in Technicolor, of getting my hands on those paddles -- just to call one CQ. You folks owe it to yourselves to browser over to Don's site and gaze upon the chrome-work. If you don't gasp aloud when you double-click on those thumb-nail shots -- your pulse has gone totally "SK." This is pure art. There's an old story about a man who once mailed Pablo Picasso a check for \$10,000 and asked him to create a work of art and mail it back to him. The punch line is Picasso smiled, signed the back of the guy's check and mailed his check back to him. Whereupon, the fellow framed the check and lived happily ever after -- economically gazing at Pablo's signature for the rest of his life. Perhaps I'll send Don a check and see if he's willing to play along. I can afford his autograph ;)

Enjoy those paddles, Elvis... :-)

vry 72 - Conrad Weiss - NN6CW

Don's photos are at: <http://www.qsl.net/n9bor/hensley.htm>

Date: Thu, 12 Nov 1998 22:26:26 -0500
From: Harry Bump <bump-km3d@redrose.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [24955] FS: NC38S
Message-ID: <364BA6E1.AD2F02AB@redrose.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys,

Way too many irons in the fire here so this one goes.

Norcal 38 Special and St. Louis Machine(d) case, built stock, then added the five watt and TiCK mods. Includes the parts for the (unbuilt) RIT mod and all the panel mount jacks and controls.

Looking for \$50.

73, Harry, KM3D

Date: Thu, 12 Nov 1998 22:37:04 EST
From: MSU1972@aol.com
To: qrp-l@lehigh.edu
Subject: [24956] unsubscribe
Message-ID: <2ec25c97.364ba960@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

how do i temporarily unsubscribe
thank you, david

Date: Fri, 13 Nov 1998 03:41:45 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [24957] Re: Wanted: MFJ-418 Morse Code Tutor
Message-ID: <364baa22.75885854@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

On Thu, 12 Nov 1998 21:53:42 -0500, Rick Sealey <rsealey@InfoAve.Net> =
wrote:

>In the current (November) Tech America sale flyer on page 18, a =
Vectronics
>Professor Morse code tutor is listed on sale for \$39.95. Since =
Vectronics is
>part of MFJ and this thing appears identical to the 418, it would be =
worth
>checking out as that would be quite a deal (IMHO). =
<http://www.techam.com>

=46YI -- this is equivalent to the MFJ-417 and does not have the LCD =
display.
The "regular" price is what MFJ asks for it. The 418 is abt. \$80 =
suggested
retail.

But, as you mention, still a pretty good deal if it is what you want!

Date: Thu, 12 Nov 1998 10:46:09 -0500
From: brian <brian@iquest.net>
To: qrp-l@lehigh.edu
Cc: Doc Lindsey <70511.3041@compuserve.com>
Subject: [24958] FOX - N/T+ Fox Log for 11/13/98 UTC
Message-ID: <364B02C1.2DEE@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Condx were pretty poopy for the first hour in Indiana. Lot's of static,
but I still managed to have 11 contacts during my time slot. Two new
states!!!

Call	RST	Name	ST	QRP#
KF4KSM	559	Mac	FL	704
VE3ELA	559	Ken	ONT	1226
AA5TA	549	Larry	TX	1245
WA8GHZ	459	Jack	TX	459
KU7Y	349	Ron	NV	17
NQ7X	449	Floyd	AZ	343 <--- New State
KK5LD	559	Dan	TX	???
KI0G	579	Bob	CO	239
AB0G0	339	Dave	CO	785

K5UBS 459 Oscar TX 1733
K0EVZ 459 Doc (YAY!!!) ND 861 <-- New State

Doc...where do I send your fox pelt. I don't think I have the correct address. Please QSL when you get a minute, I need ND and MN sometime.
<grin>

Floyd, if you're reading this.....I hope I'm still pounding the brass when I'm 80 years old. You sounded great in central Indiana. Wow. Very steady and even handed. PSE QSL.

The Fox cards will be in the mail in the morning.

Thanks for the fun again!!! I wasn't as freaked out this time, but it still makes me shake.

72 de KB9BVN

Date: Thu, 12 Nov 1998 22:44:55 -0500
From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:brian@iquest.net" <brian@iquest.net>
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@LEHIGH.EDU>
Subject: [24959] N/T+ FOX Brian = Nice Job!
Message-ID: <199811122246_MC2-6008-741C@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Brian:

Man it was great to snag you tonight. You were doing a terrific job with good CW and operating procedures. Congratulations on a job well done.

72/73,
--Doc/K0EVZ qrp-l 861
Bismarck, ND

Date: Thu, 12 Nov 1998 21:56:00 -0600
From: Roger Braker <msebrakr@telepath.com>
To: qrp-l@lehigh.edu

Subject: [24960] digest
Message-ID: <3.0.6.32.19981112215600.007b7300@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Guys,
Is there anyway I can set myself to digest mode through e-mail. I would do it over the web but my browsers are not working right. Thanks for any help.

73,
Arnold

Date: Thu, 12 Nov 1998 20:00:33 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [24961] Special QRP-L offer for G3RJV Sixpacks
Message-ID: <01be0eba\$2a56f380\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP-L Special:

Guys, there were 25 sets of G3RJV 6 Pack Boards that were not claimed at Pacificon. George brought over parts kits from England, and had too much luggage to take them back with him. Here is the deal. This kit normally sells for \$40 from Kanga US. The first 25 to send me a check made out to "G QRP CLUB" for \$33 (\$30 parts, \$3 shipping, boards are free from NorCal) will get a full set of G3RJV Six Pack boards, a full set of board mounted parts, and a builders manual.

Here is a description of the 6 "kits" in the G3RJV Six Pack

1, The Plug and Play Transmitter

This is a re-working of the W7Z0I universal transmitter with several new features. A better Low Pass Filter, Full breaking and a VXO too. The whole transmitter is based on a single PCB as part of the six-pack, giving about one watt output on the band supplied. The values given are for four bands, you just chose the band you require. Another FUN project from RJV.

2, The Quick Receiver

A simple and basic circuit formed by a passive mixer of two diodes which

feeds an audio amp. The board requires a signal generator and needs about 0.5 volt of signal injection into the input. There is no input tuning though this could be added later. Although built for one specific purpose, it has been a useful piece of test equipment on the RJV work bench for a long time.

3, LED Standing Wave Bridge

The basic circuit is that of a resistive standing wave bridge. Here we use three 50 Ohm resistors, with the antenna load forms part of the Wheatstone Bridge circuit. When the impedance of the load reaches around 50 Ohms and all four arms of the bridge are equal the voltage across the bridge will be null.

The superbright LED will still glow when dissipating just 10 microamps or less. As the antenna is tuned for minimum VSWR the LED will slowly extinguish! The preset provides some sensativity. This unit will work with power levels of less than one watt but do remember to Switch it OUT after tuning and before transmitting.

4, The Diode probe

Most QRP equipment can be built with a minimum of test equipment. The basic need is for a analogue VOM. Digital ones are nice but most of the times we are interested in changes rather than actual measurements. A 'kick'on the meter is often enough!

The next most essential piece of equipment is a diode probe, Don't buy one, after all it's just a 'crystal radio' on a stick! This is a basic peak reading probe for RF signal tracing and measuring. It would be possible to add a series resistance to get an RMS reading probe but the voltages found in QRP work tend to be very low. Supplied with an alligator clip for ground and the other components, a piece of wire will be need for the probe itself and of course the ball point pen (minus ink) for the probe case!

You could even attach the probe to an antenna to hear your favourite local station!

5, The Voltage Monitor

Using an LM3819 dot/bar display driver chip which lights up to ten LED's (in a bar mode) or one of ten LED's (in a DOT mode) in response to an input voltage. The chip contains a voltage divider and ten comparitors that turn on in sequence as the input voltage rises. There is an internal reference voltage source that can be set as high or low reference points on two pins at either end of the chain to set the range.

The battery (or supply) sets the operating voltage. The LM3819 operates from 3 to 18 volts. Connect the unit topreferably a variable voltage supply and set the low voltage preset to, say 10 volts. Then set the high to , perhaps 14.5 volts. Repeating until the unit is accurate. Another useful bit of bench test equipment.

6, Crystal Checker

Quartz crystals and crystal oscillators are very common in amateur circles,

this unit provides a method where they can be tested, but do they 'oscille'?
Do the crystals fire up when in use? What is the frequency of operation?
This unit provides the method of testing crystals and also of connecting a
counter to the unit. Just connect the crystal and press the button! If the
LED glows the crystal is oscillating. A neat little idea that should be in
every builders shack!

Please note that checks are to be made out to G-QRP Club, and NOT to NorCal
nor to Doug Hendricks. I am doing this as a service to G-QRP Club, of which
I am member #5800.

Thanks for the band width, back to sorting parts. 72, Doug, KI6DS

Date: Thu, 12 Nov 1998 22:57:52 -0500
From: w2xn@juno.com (Fred J Kalt)
To: qrp-l@lehigh.edu
Subject: [24962] Fox Hunt
Message-ID: <19981112.225752.-899379.10.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Old Fart,

You did a great job, Jack. Wish I could handle something like that.

Fred W2XN (alias KE6ZX)
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP
#233 QRP-L #1728
My Web Page:
<http://www.geocities.com/ResearchTriangle/Thinktank/5344/>

Date: Fri, 13 Nov 1998 03:57:59 -0000
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [24963] Fox
Message-ID: <000101be0eb9\$ceb72400\$a642b3c7@default>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Great job, Oldfart!
Steve Sorrell, W8SFF

Date: Thu, 12 Nov 1998 22:59:09 -0500
From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:jdougher@wt.net" <jdougher@wt.net>
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@LEHIGH.EDU>
Subject: [24964] Got *Both* FOXes
Message-ID: <199811122301_MC2-6019-DB4F@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Jack:

Well it was *great* to snag you...then to get Brian the N/T+ FOX about 4 minutes later :-). Thanks for the pelt. Wow the pileup was terrific but you kept your cool throughout. Hope I can do as well when it's my turn in the barrel next year.

Setup was Inverted WYE for 40 Metres held up with the new 33' German mast from KANGA-US. Worked FB even in the winds and cold temps here in North Dakota tonight. Rig = the usual OHR400 at just under 5 watts.

Hope you had a good run throughout. Thanks again, Jack.

72/73,
--Doc/K0EVZ qrp-l 861
 Bismarck, ND

Date: Thu, 12 Nov 1998 23:14:00 EST
From: we6w@juno.com (Ed Loranger)
To: msebrakr@telepath.com, MSU1972@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [24965] Re: unsubscribe
Message-ID: <19981112.201106.7687.5.we6w@juno.com>

David Arnold et. al, here's my "short list" I keep in my QRP_L_ADMIN folder. I have a long help list too, but shre this short one when emergencies arise and you only need a couple of commands.

I'm NOT the list guru, just had this info handy....

72/Ed

Send commands to: listserv@Lehigh.EDU
NOT the discussion list at: qrp-l@Lehigh.EDU

Important commands :

SET QRP-L MAIL POSTPONE <=== Stops all list mail. Stay a member.
SET QRP-L MAIL DIGEST <== Sets digest mode.
SET QRP-L MAIL ACK <=== sets you back to regular email mode.
cmd summary:QRP_Mailers folder.
RUN QRP-L X CALLS2DIST we6w k4ord
QRP-L X FCC_CALL callsign

72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
Enjoying Ham Radio every day! Santa Rosa, CA.

On Thu, 12 Nov 1998 22:37:04 EST MSU1972@aol.com writes:
>how do i temporarily unsubscribe
>thank you, david
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 12 Nov 1998 21:27:02 -0700
From: Vince Kumagai <sonofullr@idcomm.com>
To: qrp-l@Lehigh.EDU
Subject: [24966] Re: WA8GHZ - Sigs into CO - TNX Jack
Message-ID: <364BB516.CD38BB96@idcomm.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jack and fellow Preditors,

Good sigs in to "Bronco Central". Dropped into the QSB every so often but you came out real strong. Good tone. Nabbed at 3:28Z. I switched from the HW-9 to my BA Hammerlund HQ-170 to listen afterwards but you were real low. I need to rearrange my dipole. Sigs off the SE quadrant seem low.

TNX for QSO & 73,

Vince Kumagai
KB0YTK
Denver, Co
qrpl #1283 cqc #432

Date: Thu, 12 Nov 1998 21:34:23 -0700
From: Dick Schneider <rschneid@ix.netcom.com>
To: kreinbd@ccgate.dl.nec.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [24967] Re: QRP RTTY SUCCESS
Message-ID: <364BB6CF.BA90B750@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

David:

While I haven't done a lot of it, I have had fun with RTTY, and plan to have more in the future. Had some interesting QSOs including a Canadian Coast Guard lighthouse keeper and Russ from Kokomo.

On Field Day, I co-coordinated the Colorado QRP Club's second, non-competitive, Field Day site this year. One thing I did was to run RTTY @5W using my IC 706 and my Casio palmtop computer. I will be building a K2 soon and plan to run RTTY using the palmtop system. Right now, my TNC is the Kam Plus which requires 12VDC. I've got a volksRtty kit that I plan to build to see if it will work with the small system. Eventually, I hope to field a backpackable RTTY system with the Green Mountain 20 (if I can get to the LSB), the volksRtty or some other small low power TNC and the palmtop.

It's fun.

72 Dick AB0CD..

David Kreinberg wrote:

> ...I have been experimenting with a non-CW mode of late.
> Namely, RTTY at QRP levels... Man, is this a FUN mode!etc

Date: Thu, 12 Nov 1998 20:44:24 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [24968] Ooops, forgot to include address for G3RJV 6 Pack Offer
Message-ID: <01be0ec0\$49f8bba0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys, sorry about that. I forgot to give you my address.

Doug Hendricks
862 Frank Ave.
Dos Palos, CA 93620

There are now 24 left. 72, Doug, KI6DS

Date: Thu, 12 Nov 1998 23:44:53 EST
From: Macstein@aol.com
To: qrp-l@Lehigh.edu
Subject: [24969] FOX: re:Got *Both* FOXes
Message-ID: <aa21fd43.364bb945@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

I cracked up when I copied "old fart", Jack.

I worked 'em the other way around, Doc. I seem to have a pipeline to Brian -- who, by the way, is gonna be one of those who upgrades before the end of the season on us! He's doing super. I'm gunning for you tomorrow Cla!!!!

I'm still holding my ears over the QRM'er. Man, that hurts. If it's not the

string of "V"s then it's the tune up tone. I HATE that. Jack was amazing with his timing. Thanks.

-MAC-
KF4KSM

Date: Thu, 12 Nov 1998 23:50:59 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [24970] FOX:WA8GHZ
Message-ID: <364BBAB3.27150B9F@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jack the "old fart" (great sense of humor!) was 599 into Florida all evening after 0215 - almost too loud for the ol' head phones. Bagged him at 0246, earlier than usual, but, as is par for this course, Doc (K0EVZ) and Dan (N4ROA) bagged him MUCH earlier. Those sly ops know well how to play this game. They almost always bag the FOX very early, as do many, many Texans. Between Jaxk and the Texas hounds, can't count how many time I heard "TX" this evening. Fun night, Jack. Actually laughed out loud when from time-to-time you inserted your "Groucho Marx" type witty remarks along the way...hi...hi. 72/73, Tom, N1TP, in beautiful, tropical, Naples. P.S. The national weather maps showed Naples as the hottest spot in the continental 48 for 4 of the past 5 days, yesterday included.

Date: Thu, 12 Nov 98 22:56:11 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [24971] Elmer200: Lab 2
Message-ID: <199811130457.XAA67194@nss4.cc.Lehigh.EDU>

Gang,

OK, this lab is for the following people.

Individuals that were at Pacificon and got any combo of
The Compendium (TC), TC and Six Pack (SP), TC and SP

and Parts Kit (PK), or whatever.....

Now Doug's posting was timely or mine was late, which ever way you wanna look at it. We did not plan it this way, honest.

LAB 2

If you plan to experiment with crystals and have a supply of same then you need the crystal tester.

1. If you got the Compendium but no board and no parts, then build one anyway. See page 24 of TC. Build it ugly style.
2. If you got the parts and the board build it.
3. If you got the parts but no board build it ugly or perfboard.
4. If you don't have crystals and if you don't have the parts, then observe or start looking for what you need.....

When I post the next section on Thursday of next week ('cuz that's when I get back and when I'll have it ready) we'll talk about crystals and some first oscillators.

This will give everyone a week to do this lab and get ready.

For those with O-scopes and Spectrum Analyzers we need your feedback in particular. Also as many as possible for the crystal checker circuit need to add or find a meter circuit. The way the CC (crystal checker) works is that the relative brightness of the LED is dependent upon the crystal activity and the oscillator. A metered output, if one is checking a large number of crystals, would be handy to have.

Now a request for some help from one to two individuals. I have searched high and low through the parts bins and I would have thought that I still had a FT-243 crystal holder with crystal somewhere, but alas I do not. So I am willing to buy one. Let me know what you have. I need to experiment and compare with the newer crystals. I would like

a 7.XXX MHz crystal if possible and one that has not been disassembled or ground in any way. :-)
Also some years ago I posted, either on this list or another, a list that I had of former mfg'rs that made FT-243 holders and crystals either during or after WW2. Anyone keep that? I can't find it.

I worked the first three years of my undergraduate days in the 60's with Dr Virgil E. Bottom author of "Introduction to Quartz Crystal Unit Design" which was published by Van Nostrand, ISBN 0-442-26201-9. The book is out of print, but you might get lucky and find it at your library. It is a heavy (mentally) book with lots of physics. I worked on a project whereby we did resonance characteristics of quartz units as a function of surface curvature. Lots of data taken painstakingly by hand and analyzed without the use of a computer..... :-) So I'm going back to those days of yesteryear. We did that for HP, Collins Radio, and James Knight Co.

I talked to Dr Bottom on the phone just a few days ago and he will be 88 in January. His mind is still as sharp as ever. Let's hope that we all are that lucky when we reach that age. I did get permission to use some of his stuff from the book here, so stay tuned to this Bat Channel.....

Another source for the crystal checker circuit is "Encyclopedia of Electronic Circuits - Volume 1" by Rudolf F. Graf, McGraw Hill, ISBN 0-8306-0938-5 on page 178.

FYI

--
Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Fri, 13 Nov 1998 05:05:19 GMT
From: mwattcpa@earthlink.net (Marty Watt)

To: qrp-1@lehigh.edu
Subject: [24972] FS: Logikey K-3
Message-ID: <364dbd52.80798277@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

I have a like-new Logikey K-3 (CMOS III) keyer for sale. New price is =
\$130 +
shipping, I got mine about three months ago from HRO for \$120 + shipping.

Would like \$95, plus shipping USPS Priority mail in the lower 48.

--

72 es 73 de Marty, KM7W

-----=

Memphis, Tennessee =
<http://home.earthlink.net/~mwattcpa>
ARRL VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- =
Grid EM55ce
CODE WARRIOR ? #29 - Mobile CW Operator - "Taking Code on the Road with a=
Vengeance"

Date: Thu, 12 Nov 1998 23:08:57 -0800
From: JFD / WA8GHZ /5 <jdougher@wt.net>
To: ham_QRP-1 <qrp-1@lehigh.edu>
Subject: [24973] FOX: Draft Log - OldFart- WA8GHZ - Long
Message-ID: <364BDB09.3B60@wt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,
Here it is hot off the press and as fast as TR can dump its file into
Excel and then into Netscape.....don't worry about the small error
here and there. Like first time, I got lots of stickies, notes, and a
spiral binder full of corrections. I'm pretty sure I got it right by
the time we stopped trading fills :)
agn?agn?agn?nr?nt?st?st?.....especially in the last half-hour when band
when south.

Most common error is that I couldn't get TR Log to take 4-digit numbers
tonight. Also, on a agn/repeat, I couldn't get TR to "back up" so I

could fix an entry that I was asking a fill on....had to grab a pen and put note in spiral book REAL FAST.

Thanks to N1TP who came back with "NAME YOUNGFART" Great stuff! And thanks to N/T fox, KB9BVN/Brian; gotcha 20 minutes before my start - you're QS0#1 in the log. And N0MU/m ---great mobile effort - the "code warriors" can be proud!

Just had to get away from QRM at 7.043 and jumped down to 7.037. But band went south shortly after...and we had to really dig..lots of S3 sigs in S7 thunderstorm noise - I got 5 inches rain outta this one.

Hope you enjoyed, and I'll get this mess cleaned up by Sunday for final post (and in the approved format, Mama Fox :))

73,

WA8GHZ /5 /Jack /Houston /OldFart

=====

Time	QS0#	Call	NR	ST	NAME
----	----	-----	----	----	----
1:42	1	KB9BVN	154	IN	BRIAN
2:01	2	AK7Y	169	UT	GREG
2:02	3	NQ7X	343	AZ	FLOYD
2:03	4	K10J	732	TX	OJ
2:05	5	K0Y0	127	CO	MIKE
2:07	6	KU7Y	17	NV	RON
2:09	7	K6VNX	5	CA	ARLEN
2:10	8	K5ZTY	473	TX	BILL
2:11	9	W0RW	128	CO	PAUL
2:13	10	KA80KH	933	KY	RICH
2:15	11	K1MG	614	CA	MIKE
2:18	12	AB7CE	4	MT	ROY
2:19	13	KU4AF	987	NC	JOHN
2:20	14	WW7Y	94	UT	STEVE
2:22	15	K2VCO	725	CA	VIC
2:24	16	AB0GO	785	CO	DAVE
2:27	17	K0EVZ	861	MN	DOC
2:28	18	N4ROA	970	VA	DAN
2:30	19	WB9HFK	115	IL	MARK
2:32	20	KK5LD	5	TX	DAN
2:33	21	W4VCT	172	KY	PETE
2:34	22	W8RU	188	MI	RON
2:36	23	WA9PWP	127	WI	PAUL
2:38	24	N1FN	153	CO	MARSHAL
2:39	25	K5ON	770	NM	GARY
2:42	26	KF4KSM	704	FL	MAC
2:43	27	W5SB	127	BILL	TX

2:46	28	N1TP	131	FL	YOUNGFA
2:47	29	KI0II	928	CO	RON
2:48	30	KF4AR	402	NC	RICK
2:49	31	WE6W	106	CA	ED
2:51	32	W2XN	171	FL	FRED
2:52	33	WD8KQY	446	OH	GARY
2:54	34	N8IE	140	OH	DAN
2:55	35	K8CV	935	MI	WALT
2:56	36	N8VAR	263	OH	RON
2:57	37	N7GS	815	MT	MAL
2:59	38	WA8RXI	136	MI	RICK
3:02	39	N9DD	32	IN	TOM
3:03	40	N2ZSY	2 w	NJ	DAVID
3:04	41	W2UX	593	SC	GARY
3:07	42	W00Q	793	CO	MARTY
3:08	43	W8KC	59	MI	PAUL
3:10	44	KA4BMK	5 w	FL	JIM
3:12	45	K6DW	1000w	NC	DICK
3:21	46	VE3ELA	122	ON	KEN
3:23	47	KB0YTK	127	CO	VINCE
3:25	48	N0MU/M	911	CO	DAVE
3:26	49	N0UR	796	MN	JIM
3:27	50	N0AR	145	MN	SCOTT
3:28	51	W8SFF	138	MI	STEVE
3:30	52	N7MFB	715	WA	BILL
3:34	53	WA8MNE	599	OH	DAVE
3:36	54	KK5WL	330	TX	GARY
3:38	55	VE3JC	744	ON	JOHN
3:40	56	KI0G	239	CO	BOB
3:41	57	K8ZN	172	OH	DON
3:42	58	AB0CD	483	CO	DICK
3:44	59	KC1FB	29	CT	JIM
3:45	60	AB7MY	571	AZ	GARY
3:49	61	K7TQ	102	NM	RAY
3:56	62	WJ7H	471	UT	JAYNE
4:00	63	VE2KN	193	QU	ERIN (??)

Date: Fri, 13 Nov 1998 00:12:01 -0500
 From: kf2ph@juno.com (Nick J Franco)
 To: qrp-1@lehigh.edu
 Subject: [24974] Twice Skunked!
 Message-ID: <19981113.001202.-265851.0.kf2ph@juno.com>
 MIME-Version: 1.0
 Content-Type: text/plain
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

Bad Fox Hunt week for me here on Long Island ...

On Tuesday I had a meeting I had to attend. I knew it was Mike's turn in the barrel and wanted to get that meeting over with in a hurry for sure. Don't you know, whenever you want something to go fast, it goes slower than normal. I finished up at 10:45 EST. Well there was still 15 minutes left for the Hunt. I have the NW-40 in the car so I figured I would take the long way home and listen for Mike on the drive.

However, my XYL (also at the meeting) had different plans for me. "Can you pick up some milk on the way home?" I figure, Hmmmmm - no problem, that gives me the excuse to turn the 5 minute drive home into 15 minutes :-). However, on the main road, there was only total power line noise on this rainy evening. I couldn't hear anything - no hunters, no Fox, nothing.

So I get the milk and start the trip back home and still nothing. Then I turn onto the side street that leads to my block. Nothing, but at least the high voltage noise is mostly gone too. I start scanning around look for the familiar sounds of a "NR xxx", or the hunters calling and still nothing. I pulled into the driveway and look at my watch to see if I could run to the shack and still have a shot at him... 11:03 pm EST - dead in the water. It was a feeble attempt and no Fox. Sorry Mike - I tried!

Tonight - Ahh! a different story. I tune up the Argo and get ready for Monsieur Fox. At 9:10 pm EST (0210 Z) I return to the shack to make my kill. I hear WA8GHZ and the pile-up. I figure I got this Fox in the bag. An "8" call should be no problem from LI. I look at the sheet cuz he's so weak and find out the Fox is in TX. What kind of trickery is this? I hear the pile up and start my pursuit. Then about 9:30 pm EST (0230 z) the Fox disappears (totally). I still hear the hunter stalking my prey, but no Fox. That's the way it remained the rest of the 2 hours. NO FOX!

Well I'm heading up to the Men's Retreat in Red Hook, NY this weekend and I won't let the bad results bother me. I'm bringing up my NW-40 and a dipole (no tuner). I want to try to work the Knightlights group in the Carolina's on the camp out weekend. Maybe I'll have better luck :-)

If you hear: KF2PH/2 or AA2Q0/2 (Mike) calling CQ from up there, give us a call.

Have a great weekend all....

Nick - kf2ph . .
QRP-L # 13

----- <>----- <>----- ><>----- ><----- ><>

- Nicholas J. Franco KF2PH QRP-L # 13 LIQRP # 2 FISTS #
3199
- Worship Leader/Music Director Church of the Nazarene -
Patchogue, NY
- Chairman, BSA Troop 543 - Trail Blazer District - Suffolk County
Council
- kf2ph@bnl.gov or kf2ph@juno.com
<http://www.rhichome.bnl.gov/People/franco>

Date: Thu, 12 Nov 1998 23:09:00 -0700
From: Dick Schneider <rschneid@ix.netcom.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [24975] The Perfect Day
Message-ID: <364BCCFC.A664FB6B@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It was a perfect day...

8 am -10 am Breakfast meeting w/biz partner and another colleague/golf
buddy
10 am - 430 pm Work on current "work" projects
430 pm - 530 pm Spend time on the bench advancing the GM 20 SSB project
530 pm - 545 pm Get cleaned up, fast!
6 pm - 815 pm Dinner meeting w/biz partner and one of our video editors;
head straight home
842 pm Work the old fart fox, WA8GHZ
845 pm - 11 pm Odds and ends, including catching a little infotainment
on the tube
11 pm + Off to the sack with the RF Design Book, to read a bit on VFOs.

72 Dick AB0CD..

Date: Fri, 13 Nov 1998 07:13:18 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [24976] Re: FS: Logikey K-3
Message-ID: <364ddbdd.88618997@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

The Logikey K-3 is spoken for, the list is being kept should the original buyer fall through ...

--

72 es 73 de Marty, KM7W

-----=

Memphis, Tennessee =
<http://home.earthlink.net/~mwattcpa>
ARRL VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- =
Grid EM55ce
CODE WARRIOR ? #29 - Mobile CW Operator - "Taking Code on the Road with a=
Vengeance"

Date: Fri, 13 Nov 1998 07:33:30 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: qrp-1@lehigh.edu
Subject: [24977] 40M Calling Freq.
Message-ID: <364fe084.89809972@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Anybody know why the ARRL Web page lists 7.040 as a RTTY DX frequency?

Look under band plans, at:

<http://www.arrl.org/field/regulations/bandplan.html>

--

72 es 73 de Marty, KM7W

-----=

Memphis, Tennessee =
<http://home.earthlink.net/~mwattcpa>

ARRL VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- =
Grid EM55ce
CODE WARRIOR ? #29 - Mobile CW Operator - "Taking Code on the Road with a=
Vengeance"

Date: Fri, 13 Nov 1998 01:46:47 -0600
From: heatherex@juno.com (Rex E Pickett)
To: vllario@eic.ictnet.es
Cc: qrp-l@Lehigh.EDU
Subject: [24978] Re: Emtech ZM-2 ATU
Message-ID: <19981113.022414.-881859.1.heatherex@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Vicen,
Emtech is still in business. It is being run by Scott, Roy Gregson's
son.
I'm sure he has a big back log of orders considering the circumstances.
I ordered a ZM-2 in August and just recieved it this week. For such a
good
product, I am willing to wait.

I think the whole group give Scott all the support we can, since he has
stepped up to the plate to Emtech in business.

73, Rex, KA7NQG

On Wed, 11 Nov 1998 22:06:40 -0800 =?UNKNOWN?Q?Vicen=E7_Ll=E0rio?=
<vllario@eic.ictnet.es> writes:
>Hi all the QRP gang!
>
>I am looking for an unbuilt ZM-2 matching unit, if anybody over there
>has one and no time to buid it (Hi), I would buy it. Please your
>answers
>directly to my e-mail address at vllario@eic.ictnet.es. Thanks in
>advance for cooperation and help and best 72
>
> Vicen , EA3ADV QRP
> EA-QRP # 4
> G-QRP # 7384
> ARCI # 8454
> Norcal # 2570
>

Date: Fri, 13 Nov 1998 01:37:06 -0800
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [24979] More Leonids
Message-ID: <19981113093508.HBJN5467@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In my other life, I'm a producer at NBC News and have just finished editing a 1-minute-40-second report (with correspondent Mike Boettcher) on the Leonid Meteor Showers which will air at 8am Friday (in your local USA time zone) on NBC's Today Show.

The TV news report has nada to do with qrp-radio, but the meteor shower does have a radio connection if you plan to work 10-6-or-2M (QRP, of course). By the way, the shower peaks on the 17th at approximately 245pm EST, 145pm CST, 1245pm MST and 1145am PST and it'll be daylight so we won't have much of a view ---- nonetheless, that ought to be THE prime hour for scatter propagation. You might have to play hookie from work to catch the peak but it could be worth it. After next year, the comet that causes the Leonid Meteor Showers takes an orbital track away from Earth and the folks at JPL says if you miss it in 98 or 99, it'll be millenia before Earth has a close fly by again.

Alan Kaul, W6RCL, LaCanada, CA e-mail: w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html> or
<http://home.att.net/~alan.kaul/qrp.html>

Date: Fri, 13 Nov 1998 06:10:55 -0500
From: Rick Sealey <rsealey@InfoAve.Net>
To: mwattcpa@earthlink.net
Cc: qrp-1@lehigh.edu
Subject: [24980] Re: Wanted: MFJ-418 Morse Code Tutor
Message-ID: <1.5.4.32.19981113111055.0107a1c8@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 03:41 AM 11/13/98 +0000, you wrote:
>On Thu, 12 Nov 1998 21:53:42 -0500, Rick Sealey <rsealey@InfoAve.Net> wrote:
>

>>In the current (November) Tech America sale flyer on page 18, a Vectronics
>>Professor Morse code tutor is listed on sale for \$39.95. Since Vectronics is
>>part of MFJ and this thing appears identical to the 418, it would be worth
>>checking out as that would be quite a deal (IMHO). <http://www.techam.com>
>
>FYI -- this is equivalent to the MFJ-417 and does not have the LCD display.
>The "regular" price is what MFJ asks for it. The 418 is abt. \$80 suggested
>retail.
>
>But, as you mention, still a pretty good deal if it is what you want!
>
>

Thanks for the info, Marty. It did sound like it was too good to be true.

72,
Rick - W4SEA

Date: Fri, 13 Nov 1998 06:46:12 -0500
From: "Doyle, Ronald D" <RD130947@exchange.DAYTONOH.NCR.com>
To: Shephed@aol.com, qrp-l@lehigh.edu, richard_d._powell@belcan.com
Subject: [24981] RE: Fish in a barrel
Message-ID: <29D7D950A854D21184DA00E02926586723D542@SUSDAYTE53>
MIME-Version: 1.0
Content-Type: text/plain

Dan, I am glad it was easy for you. I was working hard at it. I had
listened from the start and Jack was pretty weak all eve. I was surprised I
made it in. I heard a N8 call get him before me but couldn't pull the whole
call out and didn't recognize you. Are you using a vertical? I am toying
with putting one up to see how it does. I know the dipole and vert have the
uses and should be used together to find which one does better for the sig.
Anyway, yes I nailed him but it wasn't easy for me. I think Jack was having
a rough time of it too. I heard him ask for lots of repeats.

72 de Ron, N8VAR

Date: Fri, 13 Nov 1998 05:27:16 -0600
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-l" <qrp-l@lehigh.edu>
Subject: [24982] Fox: Reminder NT+ on the loose Tonight!

Message-ID: <013a01be0ef9\$059be160\$a10a5e2c@groucho>

Hello Fox Hunters, (please read the entire message Thanks)

This is a reminder from my post this past Monday. This is my second time out but only four of you had the skill and cunning to get me last time. ;-) So to the rest of you I'm worth points! Would also be pleased to see my first four back too.

My speed is very slow so please be gentle. I also notice that I send faster than I can copy. Rig here is a Omni D turned down to five watts or an SW40+ (maybe) feeding a 100 foot dipole up about 35 feet or so.

Look for me Fri. evening (tonight) 19:30 to 21:30 CST (1:30 to 3:30 Saturday UTC). Will start out around 7.122 MHz again which didn't prove to be very clear last time and I moved down to 7.108, so I might be anywhere in the novice band. Hey, it's supposed to be a hunt!

I looked over the other novice fox postings and like the idea of setting a format. Makes it a bit easier. Really helped to know the pattern of the Q's during SS. Please use this format tonight.

So, I'll call using:
CQ FOX CQ FOX DE KA0GKC KA0GKC K

I will then reply,

URCALL RST #### MN CLA NR 719 URCALL DE KA0GKC KN

Then if you would reply in this double format below it would be helpful to me, or send RST? RST? if you missed it. (I don't see any reason for me to send double except for the RST as you guys already know the other info)

R R RST #### ST ST NAME NAME NR # NR # DE URCALL

And I'll ask for fills or end the QSO with;

TU QRZ FOX DE KA0GKC K

Good luck all the way around, I'll try my best!

73 de KA0GKC Claton Cadmus
cla@mcg.net

Date: Fri, 13 Nov 1998 08:49:50 -0500
From: John Levreault <jlevro@mediaone.net>
To: lha@sdr.utias.utoronto.ca
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [24983] Re: Audio Phase shifter number of poles, etc.
Message-ID: <364C38FE.7AB22AAF@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Laura Denise Halliday wrote:

> Have people played much with polyphase networks lately?
>
> Me? I'm looking forward to trying some Hilbert transforms
> and Weaver modulation and stuff on my new toy (ADSP-2181
> EZ-Kit Lite). The board thinks awfully highly of itself -
> when it boots its ROM monitor it announces out its stereo
> audio output that it's "fully functional, and ready!"

And don't forget the article "A High-Performance, Single-Signal, Direct Conversion Receiver with DSP Filtering" by Rob Frohne, KL7NA, in 4/98 QST. This one uses the Motorola DSP56002 EVM. You basically patch the DSP in place of your R2 phase shift network for the Hilbert transform, plus you get a really sharp CW filter, too.

de nb1i
John

Date: Fri, 13 Nov 1998 08:26:17 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@LeHigh.EDU>
Subject: [24984] FOX: need Team member (fwd)
Message-ID: <Pine.LNX.3.95.981113082351.14669H-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....folks, we need an e-mail address for Ed, AB8DF of the Brass Pounders team....please send the address to Marshall, N1FN or myself asap...thanks a lot...

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683
"QRP! How sweet it is!"

Date: Fri, 13 Nov 1998 08:25:06 -0600
From: Dave Sjolin <sjolin@swbell.net>
To: mwattcpa@earthlink.net, Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [24985] Re: 40M Calling Freq.
Message-ID: <364C4141.DDB2FFA0@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Marty Watt wrote:

>

> Anybody know why the ARRL Web page lists 7.040 as a RTTY DX frequency?

Because that is what it is routinely used for outside of USA and this region.

You will find Europeans in particular between 7030 and 7040 daily. They are the reason you hear super signals from K3MM, W3LPL, and others down near 7040 during major RTTY contests.

Qrp frequency in Europe is much lower in band. Dont remember exactly where but its no where near ours.

73 de Dave, N0IT

Date: Fri, 13 Nov 1998 07:15:47 PST
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [24986] Cascade QRP Tigard, OR Meeting
Message-ID: <19981113151547.17020.qmail@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain

Please repeat information about the Tigard QRP meeting. Thanks. Bruce Prior N7RR / VE7HR n7rr@hotmail.com

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Fri, 13 Nov 1998 06:32:56 -0800
From: David Shalita <af389@lafn.org>
To: "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>
Cc: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [24987] Replacement Transistor
Message-ID: <364C4318.15279238@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi ,
Need help finding a replacement for a RF transistor marked
"CD3276"
I suspect the specs to be on the order of 300mw in for about 3W out at
470Mhz. the mechanical diameter is approx 1/4" and it has a screw stud
protruding into the heatsink.

Is in a HUGE OLD 70 Watt 450 MHZ mobile radio.

Thanks for help.
--
David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Fri, 13 Nov 1998 07:19:00 -0800
From: David Shalita <af389@lafn.org>
To: "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>
Cc: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>, Hugh E Wells <w6wtu@juno.com>
Subject: [24988] EMI probe-HomeBrew
Message-ID: <364C4DE4.AAFADA19@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

A friend and I are trying to revive a SICK 450 MHZ 70watt
Mobile radio with 10 WATT output. Thru voltage probes, have located
a exciter transistor that won't peak. Marked "CD3276" vendor

unknown, guessing 300mW in 3 W out 1/4 stud. We need confirmation by another method that this transistor is bad.
Trouble could be earlier in multipliers.

I am looking for a homebrew method of sampling current (HF THRU 450 mhz) in RF transistors and surrounding parts that are installed in PCBoard. Soldering in a TEMPORARY current sense resistor, wire or core OFTEN IS NOT POSSIBLE without causing detuning of it's own.
Want to avoid doing major surgery on PCBoard.
Perhaps an EMI probe, not sure? Want RELATIVE measurements.
Want to build it myself.

Voltage probing shunt base resistors and shunt collector resistors is not conclusive regarding USEFUL POWER DELIVERED from an exciter transistor.

Thanks for any suggestions, hints, comments.
73, W6MIK

--

David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Fri, 13 Nov 1998 06:21:18 -0500
From: Harry Bump <bump-km3d@redrose.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [24989] FS: NC38S
Message-ID: <364C162D.FC211B24@redrose.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Have several offers for my NC38S... consider it gone.

Thanks es 73,
Harry, KM3D

Harry Bump wrote:

> Guys,

>
> Way too many irons in the fire here so this one goes.
>
> Norcal 38 Special and St. Louis Machine(d) case, built stock, then added
> the five watt and TiCK mods. Includes the parts for the (unbuilt) RIT
> mod and all the panel mount jacks and controls.
>
> Looking for \$50.
>
> 73, Harry, KM3D

Date: Fri, 13 Nov 1998 08:46:01 -0700
From: Larry East <w1hue@amsat.org>
To: Grant Taylor <k7gt@qsl.net>
Cc: qrp-l@lehigh.edu
Subject: [24990] RE: W7EL Wattmeter: Has it been kitted?
Message-ID: <3.0.3.32.19981113084601.009298d0@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>The W7EL QRP SWR/Wattmeter from Feb 1990 QST looks like a gem. Has this
>even been kitted? Is the OHR WM-2 equivalent to it?

The OHR WM-2 uses essentially the same metering circuit but a slightly
different SWR bridge circuit. It's also easy to modify for PEP reading
(see http://qrp.cc.nd.edu/qrp-l/hints/w1hue/MODS_WM1.html). Also see
the April '98 QRP Quarterly for a review of the WM-2. OHR's web page
is <http://www.ohr.com>.

72, Larry W1HUE

Date: Fri, 13 Nov 1998 07:50:06 -0700
From: alan dawkins <alk0frp@earthlink.net>
To: QRP-L@lehigh.edu
Subject: [24991] FD 98 W0CQC
Message-ID: <364C471E.8EC258E@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Looked at ARRL "members only" on their web page and the Dec QST has the

98 Field Day results : Colorado QRP Club "W0CQC" has risen to the top of the 2A battery class again.

We got beat last year but back again. It took a dedicated group and a year planning by Paul KF7MD and the weekend setup and operating by all who participated.

Next goal is TOP TEN, We need 4000 more points lets see, 24hour 6m and 10m opening and 10 dB on 80 meters should do it.

Al K0FRP

Date: Fri, 13 Nov 1998 08:56:12 -0700

From: Larry East <wlhue@amsat.org>

To: qrp-1@lehigh.edu

Subject: [24992] RE: The Hensley Paddle: Move Over Mercury

Message-ID: <3.0.3.32.19981113085612.00929890@axp1>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

> Price Class: \$465 ppd

HOLY METEORSHOWER! That's more than most of my rigs cost!

Guess I'll just hav'ta stick with my good 'ol Brown Bros. paddle until my wife wins the lottery! :-)

(Ya, I know; quality comes at a price...)

Date: Sun, 15 Nov 1998 04:54:05 -0700

From: "Robert Armstrong" <barmstrong@sisna.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [24993] 38 Special - fixed!

Message-ID: <01be108e\$a4f56a60\$f9b4d2d1@barmstrong.sisna.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Thanks to those who made suggestions when I complained that my NC38S was hearing a single signal over it's entire tuning range.

Nick, KF2PH, suggested removing several turns from the secondary of T1. That solved the problem.

This list is a gold mine of good will and help!

72 de N7XJ, Bob in Utah

Date: Fri, 13 Nov 1998 08:46:14 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [24994] 18 G3RJV Six Packs Left
Message-ID: <01be0f25\$207e3060\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

7 of the 25 Sets of G3RJV Six pack parts kits plus the free boards from NorCal have been spoken for. If you want on the list, put a check in the mail and email me. 72, Doug, KI6DS

Date: Fri, 13 Nov 1998 11:01:36 -0600
From: "ukii" <ukii@megsinet.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [24995] Help;I stole a SWR Kit
Message-ID: <00bc01be0f27\$4a22fa20\$37e551d1@ns1.megsinet.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Gang.
Please will the individual who sent me a AZ SWR kit,please let me know where I should send money to?
I know its been a loooooong time,but,well,sorry,too much going on here.
I dont want to have a hot swr meter in my shack,thats enticing the dx devils.
Thanks Much
John
n9ukx

Date: Fri, 13 Nov 1998 11:19:43 -0800
From: jbartac@max.state.ia.us (Jerry Bartachek)
To: qrp-l@Lehigh.EDU
Subject: [24996] RE; 300 Ohm Ladder Line - Satisfied User
Message-ID: <364C864F.4EA9@max.state.ia.us>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I love my ladder line fed antennas so well, I just have to share my experience with the QRP-L gang.

I find that 300 Ohm ladder line fits standard TV flatline hardware, and it is EASY to bring it directly into the station to hook to your tuner. I use a Radio Shack "wall thru" tube to bring 2 separate 300 Ohm ladder line feeders into the shack. They lay right on top of each other for about 8 inches in the tube, and I detect no interaction between them.

I feed my 83ft. long inverted ell wire about 9 feet up the vertical leg. The bottom of the leg is connected to the buried radials, of course. I feed at this unorthodox location because the vertical leg runs up a mast near the eaves of my house. I have a handy shot at the antenna right through the wall and over to the feed point. The total length of feeder is about 8 or 9 feet. The antenna wire is 28 feet vertical, and an additional 55 feet horizontal. I can tune all bands 160 thru 10 M on it, and have worked 160 meter DX with it to Alaska, Hawaii, Japan, and Australia using 100 W. Using 5 watts QRP, I have sorked 35 states coast to coast during the ARRL 160 Meter contest.

My other antenna is a non-resonant (not on the ham bands, anyway) vertical ground plane on the roof. The Aluminum vertical element is 20 feet tall, has two 21 foot wire radials, and two 16 foot radials (left over from when it was shorter). It used to be resonant on 20 meters, but I'm experimenting with longer lengths to enhance efficiency on 30 and 40 M. I feed this thing with about 28 feet of 300 ohm ladder line and a KW tuner. The big tuner has virtually no hand capacitance during tune-up, and the big knobs are easier to read and reset than little "300 Watt" tuners.

I've worked DX from all over the world with this antenna using QRP and what I like the best about this antenna, is that I get equal or better reports than I give to the QRO gang. It's the only antenna I've ever had that did THAT!

I absolutely love tuned feeders and may never go back to coax. Also please note that one can build about 10 GP antennas like mine for the

72,

Date: Fri, 13 Nov 1998 12:20:51 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@lehigh.edu>
Subject: [24997] FOX: Weekly Rules Repost
Message-ID: <Pine.OSF.3.95.981113121612.8437B-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

1 9 9 8 - 1 9 9 9 Q R P - L F O X H U N T !

Version 3.01

- Simplified Scoring, One point per QSO - regardless of anything.
- Friendlier Exchange, Include Names in the QSO.

- Removed all "deleted" sections and made the rules easier to read.
- RULE 1.3, changed "SHOULD be QRP" to "MUST be QRP" (same as old rules)
- RULE 2.51, changed "or RF output power" to "and/or RF output power"

EXECUTIVE OVERVIEW

The Fox and Hound make a two-way QRP contact exchanging calls, RST, QTH, Name, QRP-L Number and/or RF output power.

DEFINITIONS

QRP = 5 watts or less RF output from the transmitter.
QRO = any power greater than 5 watts.
QTH = State, Province, or Country if outside US/Can.
Fox = the station everyone tries to work. Also known as foxii, the fox, the wily one, the bushy tailed SOB, etc.
Hound = any station trying to work the fox. Also known as the hound, hunter, hunters, the skunked, the pile-up.
W8KC = Paul Valko, runs the foxhunt. Also known as, =paul=, The collector of TenTecs and other fine plastics, Rule Maker, Rule Definer, Peace Keeper, Butt Kicker, etc.
Split = Classic DX-style operation on two distinctly different frequencies.

RULES

1.0 OBJECTIVE - The objective is to HAVE FUN.

1.1 GENERAL FOX GUIDELINES

- 1.12 Fox try to complete as many two-way, CW, QRP, QSOs - as possible, in a 2 hour long time period.
- 1.13 Fox must post PRIOR to operation day with details (rig, ant, freq) regarding their operation.
- 1.14 Fox will operate within +/- 10Khz of 7.040 MHz but should make an effort to AVOID operating directly on 7.040.
- 1.141 Fox will call CQ FOX, CQ FOXHUNT, etc.
- 1.15 Fox will be allowed to QSY to avoid QRM.
- 1.16 Fox WILL NOT operate "split..."

1.2 GENERAL HOUND GUIDELINES

- 1.21 Hounds ONLY work the Fox.
- 1.211 Hounds ONLY ANSWER the FOX CQ - Hounds DO NOT call CQ FOX.
- 1.22 Hounds must NOT QRM the Fox Frequency after the QSO.
- 1.23 Hounds, work as many Foxii as possible over the 22 weeks of the Foxhunt.
- 1.3 Hound MUST be QRP if giving a qrp-l number.

2.0 SCORING SYSTEM

- 2.1 One point will be awarded for each successful QSO.
- 2.31 Instructions to get your QRP-L Number are at the bottom of this message.
- 2.4 Maximum points for any one QSO is 3 points, allows incentive

for Novice/Tech or Special Event Foxii.

2.5 EXCHANGE

- 2.51 A successful QSO MUST exchange as a minimum Callsigns, RST, QTH, Name, QRP-L number and/or RF output power.
- 2.52 Any other information exchanged (rigs, ant, etc.) is at the operator's discretion but is superfluous.
- 2.521 Operators are welcome to include superfluous detail in the posted report but the FOX LOG must be posted as detailed in rule 3.2.

3.0 REPORTING SYSTEM

- 3.1 Foxii LOGS MUST be posted to QRP-L with a copy also sent to: prvalko@oakland.edu
- 3.11 Posts to QRP-L Regarding the Foxhunt should begin with "FOX:" to enable filters to do their magic.
- 3.2 The Foxii log shall have the following layout:

TIME STATION	FOX	HOUND	HOUND	HOUND	HOUND
HOUND					
GMT WORKED	RST	RST	QTH	NAME QRP-L#	POWER

as an example...

0200 w8kc	559	559	mi	Paul 59	2w
0201 wq9rp	579	579	wi	Hank	.9w
0202 n8iin	599	559	mi	Roy	100w
				TOTAL	3 POINTS

- 3.3 The Fox is responsible and is to be honorable in reporting scores.
- 3.31 All information exchanged must be done during the QSO, electronic "fills" via email are not permitted.
- 3.4 Hounds are encouraged to report both successful AND failed hunts to QRP-L (I do not need a Hound Log). This is also a propagation study, you know.

4.0 SPECIAL FOX EVENTS

- 4.1 A Special Event Fox may pop up once or twice to keep hunters on their toes. Stay tuned to QRP-L for these announcements.
- 4.2 A Novice Foxhunt will begin sometime in November.
- 4.5 There is a "Bye Date" where no fox is scheduled.
- 4.6 No Foxhunt is planned during Straight Key Night.
- 4.7 Any "sub-contest" such as "team competition" is the sole responsibility of the person who decides to run one.
- 4.71 Sub-contests must in no way interfere with the rules and smooth operation of the AUTHORIZED QRP-L FOXHUNT.

1998/1999 FOX SCHEDULE VERSION 1.00

IMPORTANT NOTE - ALL DATES AND TIMES ARE IN GMT. In North America, it'll still be the date BEFORE the date listed below. Really! Over here, the QRP-L Foxhunt takes place on TUESDAY and THURSDAY evenings.

WEEK	DATE	FOX OP	FOX QTH	START TIME(Z)	GMT DATE	FOX OP	FOX QTH	START TIME(Z)
1	10/7	AB5UA		OK 0200	10/9	WQ8RP	MI	0100
2	10/14		WA8GHZ	TX 0100	10/16		W8RU MI	0200
3	10/21		KV2X NY	0200	10/23		K8CV MI	0200
4	10/28		N2TO NY	0100	10/30		KU7Y NV	0100
5	11/4	AB5UA		OK 0200	11/6	N1FN CO		0300
6	11/11		K1MG CA	0200	11/13		WA8GHZ TX	0200
7	11/18		AB0GO	CO 0200	11/20		K8CV MI	0200
8	11/25		W5TFB	TX 0200	11/27		KB7MBI WA	0200
9	12/2	N0UR MN		0100	12/4	WS4S TN		0300
10	12/9	N7CQR		OR 0200	12/11		N2TO NY	0200
11	12/16		K5ZTY	TX 0200	12/18		N2SMH NJ	0100
12	12/23		WQ8RP	MI 0100	12/25		KB7MBI WA	0200
13	12/30		VE7DXJ	BC 0200	1/1/99		*** SKN ***	
14	1/6	** BYE DATE **			1/8	VE7DXJ	BC	0300
15	1/13	K0EVZ		ND 0200	1/15	N7CQR	OR	0300
16	1/20	N2SMH		NJ 0100	1/22	W8RU MI		0200
17	1/27	N0UR MN		0100	1/29	WS4S TN		0300
18	2/3	W5TFB		TX 0200	2/5	K1MG CA		0100
19	2/10	KV2X NY		0200	2/12	AB0GO	CO	0200
20	2/17	K0EVZ		ND 0200	2/19	VE7CQK	BC	0100
21	2/24	KU7Y NV		0100	2/26	N1FN CO		0300
22	3/3	VE7CQK		BC 0100	3/5	K5ZTY	TX	0200

FOX EMAIL ADDRESSES

Dave Ek <ekdave@earthlink.net>,
 Clifton W Sikes <ab5uacw@juno.com>,
 "Wilford D. Lindsey" <70511.3041@compuserve.com>,
 "Michael A. Gipe" <mgipe@reliablemeters.com>,
 k5zty@juno.com,
 Walt Amos <waltk8cv@ameritech.net>,
 Hank Kohl K8DD <k8dd@contesting.com>,
 ARDUJENSKI@aol.com,
 Monte Stark <ku7y@dri.edu>,
 Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>,
 Lageson's <LAGESON@worldnet.att.net>,
 Marshall Emm <mgemm@mtechnologies.com>,
 David Maliniak <dmaliniak@penton.com>,

"Kevin F. Glynn" <kfglynn@prodigy.net>,
Dan Presley <talljazz@teleport.com>,
Paul Erickson <paule@sfu.ca>,
"C. Leung" <cleung@cln.etc.bc.ca>,
Jack Bryant <Jack.Bryant@math.tamu.edu>,
Ron Majewski <majewski@erim-int.com>,
JFD / WA8GHZ /5 <jdougher@wt.net>,
Conard Murray <ws4s@infoave.net>

OBTAINING A QRP-L MEMBER NUMBER

Use this command to obtain a QRP-L member number.

RUN QRP-L X GETNR callsign

example: RUN QRP-L X GETNR W8KC

where "callsign" is your callsign. Send this in the body of a message to LISTSERV@LEHIGH.EDU. Use the word NONE if you don't yet have a callsign. The list of assigned member numbers can be had via the command, also to LISTSERV@LEHIGH.EDU:

GET QRP-L/MISC MEMBER_NUMBERS.TXT

That's it for now gang! Unleash the hounds!!!

73! =paul= W8KC

Collector of Ten*Tecs and other fine plastics

<<http://www.acs.oakland.edu/~prvalko>>

Date: Fri, 13 Nov 1998 10:28:22 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: ALAN KAUL <alan.kaul@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [24998] Re: More Leonids
Message-ID: <Pine.SOL.3.91.981113101701.15861A-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 13 Nov 1998, ALAN KAUL wrote:

> In my other life, I'm a producer at NBC News and have just finished editing
> a 1-minute-40-second report (with correspondent Mike Boettcher) on the
> Leonid Meteor Showers which will air at 8am Friday (in your local USA time
> zone) on NBC's Today Show.

I forgot to mention this ... but a few weeks ago NBC News had a 2-3 minute report on the August 27th gamma-burst/magnetar event. The next day after it aired, the co-discoverer, Dr. Dale Frail, asked me "so how come a producer at NBC knows you?" Huh, I said ... what was his name? Turns out it was produced by our own Alan Kaul, W6RCL. What a thrill to watch the handiwork of a fellow qrp-l'er and zombie.

Great work, Alan.

72, Paul NA5N

Some of us have web sites ... some of us have Tom Brokaw :-)

Date: Fri, 13 Nov 1998 10:36:32 -0700
From: Dave Ek <ekdave@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [24999] Re: Got *Both* FOXes
Message-ID: <3.0.6.32.19981113103632.0079d100@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Me too--got Brian at 0214 then Jack (you old fart, you) ten minutes later. Gimme four pelts for the week, counting the N/T guys. Got one more chance with Claton tonight, too. Will anybody else be able to say they got *5* this week? heh heh heh ...

72 de Dave AB0G0

Date: Fri, 13 Nov 1998 10:22:58 -0800
From: "Bill Todd" <bill@willapabay.org>
To: <alan.kaul@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25000] Re: More Leonids
Message-ID: <002901be0f32\$a5808f80\$3a5233d1@default>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

). By the way, the shower peaks on the 17th at approximately 245pm
>EST, 145pm CST, 1245pm MST and 1145am PST and it'll be daylight so we won't
>have much of a view

Hi Alan -

Say, I was wondering where to point the 10 meter Yagi during the shower? If
the concentration of particles would be over Asia, would a guy in the
Northwest point the beam towards Asia, or does it really matter all that
much?

Thanks - Bill-N7MFB
<http://www.willapabay.org/~bill>
ICQ me @ 8926298

Date: Tue, 10 Nov 1998 19:40:43 -0500
From: Jim Lyons <jlyons@CAM.ORG>
To: qrp-l@lehigh.edu
Subject: [25001] 10 turn pot counter
Message-ID: <3.0.5.32.19981110194043.0081a100@pop.hip.cam.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

In reply to my recent request for suggestions for a counter I got the
following suggestions:

Use a frequency meter ... problem, increased current draw and space?

Look in QRP Quarterly October '97 page 31 for the LED Bargraph display by
K5AAR ... problem, current draw and space?

Look for suitable counters, nice ones do exist.

So, for those of you who asked me to share my findings, there isn't much to
offer in the way of turn counters. Perhaps the audio frequency meter will
be all I need.

Thanks anyway to all who replied.

Jim, VE2KN

Date: Fri, 13 Nov 1998 13:52:23 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Subject: [25002] beacon
Message-ID: <3.0.5.32.19981113135223.00832c20@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

just for grins and giggles, I am going to put a beacon on the air.
Yeah, sure enough and see if anyone can hear it. Why? well haven't any idea
other than my keyer will do it so why not.

15m freq will be 21.135 and will start the beacon at 13:00Z.
Will keep it on the air until 15:00Z unless someone thinks this is too early
for good band conditions. It will be sending "de n3byy/bcn Laurel, MD" I
don't know my grid sq. so figured this is easiest.
I'd give certs, but haven't any idea how to make them so if you find it and
would drop me an E-mail msg, I'd appreciate it. I'll be running 1 watt into
a mini g5rv in my attic. Now this is probably impractical for anyone to
hope copy, but well if you do hear it, I'll put your name on the list I
post which will show how it did.
If anyone has a better suggestion with time and freq, let me know.

tnx es 73 de Scott/n3byy

Date: Fri, 13 Nov 1998 01:34:35 -0600
From: Jim <kj5tf@madisoncounty.net>
To: qrp-l@Lehigh.EDU
Subject: [25003] Fire-Ball info for the WWW
Message-ID: <364BE10B.18B8@madisoncounty.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The NJ QRP club has offered webspace for the Fire-Ball QRP XMTR.

I'm seeking permission for reprinting an old article or two, and that

should be up on the web as soon as that can be done.

If anyone has any original material they'd like to submit on the Fire-Ball xmtr please contact me or send it directly to the NJ QRP via George --> gheron@idt.net

Thanks! de Jim

Date: Fri, 13 Nov 1998 14:44:51 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrpl_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [25004] ELMER200: FT-243 XTAL Socket
Message-ID: <21E06269B00ED111BE9B00805F6D0FA34B3312@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

In lieu of an commercial socket try to find an old tube socket. Disassemble the socket to use to of the female socket pin contacts for the XTAL attachment. Epoxy these two female socket connectors are the appropriate spacing between plastic or unetched PC board to make a socket. If you don't need to remove the XTAL (ie change it) just double sided tape and slip the tube socket female connectors on and wire your circuit to the female connectors.

If it's real temporary (i.e. just a non-critical test) then I would take tinned bare wire and tightly wrap the XTAL pins and solder the wrapped wire in a couple of places to eliminate unwinding. This would be obviously for the non-removal solution.

Sam Billingsley AE4GX Atlanta, GA

Date: Fri, 13 Nov 1998 12:55:22 -0700 (MST)
From: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
To: Sam Billingsley <SBillingsley@usaninc.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25005] Re: ELMER200: FT-243 XTAL Socket
Message-ID: <Pine.OSF.3.91.981113125411.25508A-100000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Why not just use an octal socket? The pin size and spacing is a perfect match for an FT-243 xtal.

73,

Jim Rybak W0KSD

Date: Fri, 13 Nov 1998 11:57:11 -0800
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>
To: "Bill Todd" <bill@willapabay.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [25006] Re: E-v-e-n More Leonids
Message-ID: <19981113195508.JVBZ21493@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

BILL TODD WROTE:

>I was wondering where to point the 10 meter Yagi during the shower?

Hi Bill, I've NEVER worked meteor scatter, but I'm told (via e-mail by people who do) that you would point your Yagi in the direction you want to work and then count on the signals ricocheting or bouncing off the ion trail. One person suggested it also helps to be able to elevate the antenna to 20-30 degrees above the horizon, but unless you already have dual rotors, that sounds like a lotta work for a single meteor shower peak which is supposed to last an hour.

Let me just suggest one other factor -- the meteor shower is generally said to be coming from the East i.e. Earth is spinning and turns into the "cloud." Thus, I'd suspect that the FAVORED directions would have an Easterly component (such as Northeasterly, Southeasterly, etc. UNTIL THE PEAK PERIOD PASSES, WHEN THE HIGH ACTIVITY AREAS WOULD BE WEST OF YOU). Once the one-hour peak of activity occurs, logic suggests you'd be pointing the Yagi in a more Westerly direction in order to catch the maximum number of ionized trails. An afterthought, a LOW DIPOLE (including 'cloudburner' construction) could put a good high-angle signal into the ion trails.

What I'm thinking about doing is rigging up two radios to national calling frequencies (one on 28.885, the 6M coord freq) and the other on 50.1 or 50.2, and feed the audio from both radios into separate stereo tape

recorders, so I can put WWV audio on the other channel. Obviously it would be even better if I could interface a video recorder because the tape loads could be up to 6-hours then you might have the ingredients for an interesting technical article!!!

72/73 de alan

Alan Kaul, W6RCL, LaCanada, CA e-mail: w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html> or
<http://home.att.net/~alan.kaul/qrp.html>

Date: Fri, 13 Nov 1998 11:58:38 -0800
From: "Radman" <radman@best.com>
To: <jlyons@CAM.ORG>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25007] Re: 10 turn pot counter (the search)
Message-ID: <199811131955.LAA26902@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Jim,

Perhaps all is not lost... :-) Have you checked-out page 212 of the Mouser catalog #596? The "Duodial" (TM) precision multi-turn dials are available in 15 and 20 turn versions. (Shouldn't matter using it with a 10-turn pot... the pot stops the counter at the "10" mark, right?) Mouser has 15-turn versions -- # 569-RB-15 at \$26.50 ea. And, Mouser # 569-2606-20 is available in the 20-turn version for \$18.00 each -- quantity ONE pricing. These prices can be _considerably_ lower if you pull a volume buy together.

Another option is Dan's Small Parts -- URL:
<http://www.concentric.net/~parker4/dans.html> Search that page for "Duodial." Dan's has a 10-turn dial product for \$5.00. (His reference to Mouser Pg 183 is not valid... that's an old catalog.)

I believe that "Duodial" (TM) is still owned by the Helipot Division of Beckman -- which may have been acquired by WaveTek. Perhaps some of the other guys on the list can help clarify :-) GL in your search... they *are* out there :-)

very 72 - Conrad Weiss - NN6CW

In reply to my recent request for suggestions for a counter I got the following suggestions:

<snip>

Thanks anyway to all who replied.

Jim, VE2KN

Date: Fri, 13 Nov 1998 15:07:01 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [25008] ELMER200: Oscillator Design and the RF Design Handbook Group Buy
Message-ID: <21E06269B00ED111BE9B00805F6D0FA34B331F@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

I just received my set of RF Design Handbooks from the Group Buy conducted by Niel Skousen/WA7SSA. I got the entire set they look like great reading.

The "Oscillator Design Handbook", a collection of 22 articles related to Oscillators, looks like super reading for the ELMER200 Oscillator Study.

Thanks Niel for you effort. This is yet another great list effort by volunteers like Niel and Chuck.

Sam Billingsley AE4GX Atlanta, GA

Date: Fri, 13 Nov 1998 12:51:58 -0700
From: "Ron Smith" <resmith666@uswest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [25009] Re: beacon
Message-ID: <033e01be0f41\$789871e0\$79e56ccf@ron>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Scott,

>15m freq will be 21.135 and will start the beacon at 13:00Z.
>Will keep it on the air until 15:00Z

What day? If you did it today then you should be advised that here in Idaho it is already 19:50 -- and your message about beacon hours just arrived here. Since I am #1271 I can only presume that 1200 plus member of the list never saw your post in time to listen.

Sorry...

72

Ron Smith
KD7VD
Boise, Idaho

Date: Fri, 13 Nov 1998 13:07:28 -0700
From: Dave Ek <ekdave@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [25010] FOX: First Notice--AB0G0--18 Nov 0200 UTC
Message-ID: <3.0.6.32.19981113130728.0079aa00@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I'll be the Fox for the next hunt. Mark your calendars: 18 Nov, 0200-0400 UTC (that's 17 Nov at 7 PM MST). My original plan was to use my SW+40 for this hunt, but I think I'll go with the IC-706 and a little more power so more of you can hear me (watch for the SW+ on my second go-round). I'll use my RIT along with a tight filter as necessary but don't spread out *too* much. I'll be running 5 watts into an inverted vee up about 20 feet at the center. Should be able to work most parts of the country with it. I've heard lots of strong signals during the previous hunts.

I'll be set for somewhere between 18 and 20 wpm. Try not to go faster than I am, or we'll be doing lots of repeats. I'll try to slow down when I can

detect that I need to (say, if you send your call slower than me). Speaking of repeats, don't send each part of your exchange twice. If I need fills I'll ask for them--hopefully things will go a bit faster that way. Also, don't expect too hear much more than "QSL TU" after I get your exchange before I go on to the next. Not trying to be ungrateful or impolite, but I expect to hear lots of signals and I want to keep things moving so more folks get a chance to get in the log. Face it--the fox wants a lot of contacts, and a lot of hounds want a pelt. I want to hand out as many as possible.

I'm going to try to find a spot around 7.037 MHz to start. Failing that, look around 7.044 MHz. If I need to QSY at some point, I'll announce it and try to predict where I'll end up (e.g. "DN 7"). If I disappear from one of these two frequencies, look for me near the other frequency first.

I'm looking forward to this. Please be gentle...

72 de Dave AB0G0, NR785 in CO (hint hint)

Date: Fri, 13 Nov 1998 12:23:41 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <radman@best.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25011] Re: 10 turn pot counter (the search)
Message-ID: <217f01be0f43\$83eb8b70\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Frankly, guys, I don't think that you will want a ten-turn counter dial on the NC20.

First off, the standard frequency counter which comes with the kit is pretty good.

Secondly, I have yet to see a turns counter dial which was smooth enough to satisfy my requirements for a tuning control.

Third, you can add a complete LCD frequency display for nearly the same price as the turns counter dial.

Fourth, You will need to carry around your "dial read-out to actual frequency conversion chart" with the rig, since the frequency-to-knob -rotation relation is not linear.

My suggestion would be to build the kit as it comes and use it for a while to see if you need any enhancements. I think that 99.9% of the kitbuilders will be happy with the standard kit.

Mike K1MG

Date: Fri, 13 Nov 1998 14:24:29 -0600
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [25012] Re: ELMER200: FT-243 XTAL Socket
Message-ID: <006101be0f43\$cf7f3b40\$a10a5e2c@groucho>

>Why not just use an octal socket? The pin size and spacing is a perfect
>match for an FT-243 xtal.

Yeah, Jim's right! And if memory serves you can actually put two crystals side by side and use a spdt switch to select.

73 de KA0GKC Cla

Date: Fri, 13 Nov 1998 15:37:23 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: Claton Cadmus <applitech@mcg.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25013] Re: ELMER200: FT-243 XTAL Socket
Message-ID:
<Pine.LNX.4.03.9811131535160.1288-1000000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

My novice rig was a Knight T-60. It was a kit. On the front panel were two sockets. One for a crystal and one for a VFO input. Behind the panel was an octal socket

73,

Jim (N2GO)

> Yeah, right! And if memory serves you can actually put two crystals
> side by side and use a spdt switch to select.
>
> 73 de KA0GKC

Date: Fri, 13 Nov 1998 16:52:41 -0800
From: kaliic <kaliic@ime.net>
To: jskalski@buffnet.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25014] Re: ELMER200: FT-243 XTAL Socket
Message-ID: <364CD459.31AC@ime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi everyone,

When I build one of those small type rigs and I want to be able to
change crystals I 'rob' two of the pins from an octal socket and solder
them (with the correct spacing of course) to the circuit board.

Hope someone can use this one!

72 & 73
Vince
kaliic
-.-.-

Date: Fri, 13 Nov 1998 15:56:23 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Subject: [25015] repost of the beacon info
Message-ID: <3.0.5.32.19981113155623.00836820@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I ment the beacon will be on 15m at freq 21.130 tomorrow, 11/14 from lets
correct time to 13:00Z til 16:00Z. The msg will be
"de n3byy/bcn fm19nc"

sry for the confusion.

tnx es 72/73 de Scott/n3byy

oh, yeah still will be 1 watt into my g5rv in the attic.

Date: Fri, 13 Nov 1998 15:57:06 -0500
From: "John J. McDonough" <jjmcd@tm.net>
To: <alan.kaul@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [25016] Re: E-v-e-n More Leonids
Message-ID: <199811132059.8818900@is1.tm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> From: ALAN KAUL <alan.kaul@worldnet.att.net>
>
> What I'm thinking about doing is rigging up two radios to national
calling
> frequencies (one on 28.885, the 6M coord freq) and the other on 50.1 or

And don't forget to point your browser to MS Rocks Live -
<http://raven.cybercomm.net/~slapshot/dxing/hsms.html>

72/73 de WB8RCR <http://users.tm.net/jjmcd/>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Fri, 13 Nov 1998 15:58:53 -0500
From: w2xn@juno.com (Fred J Kalt)
To: qrp-l@lehigh.edu
Subject: [25017] SG-2020 HF Transceiver
Message-ID: <19981113.155854.-876279.1.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Has anyone any experience with the new HF rig SG-2020 shown in the
Kenwood line, or SGC line?

Output 0 to 20 watts for CW, USB and LSB.

Fred W2XN (alias KE6ZX)
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP
#233 QRP-L #1728
My Web Page:
<http://www.geocities.com/ResearchTriangle/Thinktank/5344/>

Date: Fri, 13 Nov 1998 16:30:45 -0500
From: Ed <edn4pk@voyageronline.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25018] Test
Message-ID: <364CA505.B5A8259F@voyageronline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry. I do not see any of my messages sent to Qrp-L

Date: Fri, 13 Nov 1998 16:34:12 -0500
From: Ed <edn4pk@voyageronline.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25019] Again
Message-ID: <364CA5D4.2FED8D5B@voyageronline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry guys.

Date: Fri, 13 Nov 1998 16:31:35 -0500
From: Jim Lyons <jlyons@CAM.ORG>
To: mgipe@reliablemeters.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25020] Re: 10 turn pot counter (the search)
Message-ID: <3.0.5.32.19981113163135.007fc550@pop.hip.cam.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:23 PM 13/11/98 -0800, Michael A. Gipe wrote:

>Frankly, guys, I don't think that you will want a ten-turn counter
>dial on the NC20.

>

>First off, the standard frequency counter which comes with the kit is
>pretty good.

Yes you are probably right, I think I'm suffering from a bout of rabid
conservatism ... got to have a ***dial*** to look at :-)

>

>Secondly, I have yet to see a turns counter dial which was smooth
>enough to satisfy my requirements for a tuning control.

My experience too.

>

>Third, you can add a complete LCD frequency display for nearly the
>same price as the turns counter dial.

>

>Fourth, You will need to carry around your "dial read-out to actual
>frequency conversion chart" with the rig, since the
>frequency-to-knob -rotation relation is not linear.

Good point!>

Thanks Mike for a balanced view.

Jim, VE2KN

Date: Fri, 13 Nov 1998 21:40:35 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25021] Changing Band condx.
Message-ID: <364CA753.5E6B@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi QRP'ers. Just sitting here enjoying Crackers and Anchovies.
Had to grab the cans before the dog opened them all! Funny,
our other dog won't touch them.

Anyway, I was confirming various mathematical formulas last night, taking measurements etc. on different multi-chambered test units I'm working on. It is a lot of work integrating "end effects" into the resonator equations but looks ok here now. Dragged myself into the heated section of the hound hut after midnight, finding a scrap of rug to curl up on.

Anyway, while working on the project I listen to 40 meters all the time. One qso after another, Fred and his sheep fence, license structure, A/B antenna tests etc. head copy is fun, just like a conversation in the background.... I digress.

I was very surprized how the band changed. Usually degrading band conditions go on and even get worse. Last night the band was sharp, clear. Then the watery CW was everywhere for about 20 minutes, then crisp and clean afterwards!

Amazing. And I heard a few DX stations. Called but nothing for me.

Anyone else awake between 0700Z and 0800Z hear this? Comments?

Happy Friday 13th. Hmmmmm Zombie contest?

-Ed

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Fri, 13 Nov 98 15:52:29 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [25022] Elmer200: Lab 2 Confusion
Message-ID: <199811132150.QAA174972@nss4.cc.Lehigh.EDU>

Gang,

Sorry about my wording. The FT-243 is the holder for the crystal. I was not in need of an octal socket. :-)

Got a crystal on the way.

What I'm going to do with it is show a series of

pics on the web what it looks like, the internals,
and what not to do to a crystal.

Those of you that have ground them have had them
stop. Ever wonder why? Well, I'm about to show you
in gory detail. Inquiring minds will find out.

Thanks to all that responded.

dit dit

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Fri, 13 Nov 1998 13:51:48 -0800
From: "Radman" <radman@best.com>
To: "Michael A. Gipe" <mgipe@reliablemeters.com>, "Low Power Amateur Radio
Discussion" <qrp-l@Lehigh.EDU>
Subject: [25023] Re: 10 turn pot counter (the search)
Message-ID: <199811132149.NAA15704@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Mike,

I'm in agreement with you... the tuning feel of a
high-quality 10-turn pot is vastly better than a 10-turn
counter. My post was intended to ease world tensions
regarding the Y2K shortage of 10-turn counters ;) That
said, I would go with the audio freq annunciator in the
NC-20 as a starting point. That's a very clever bit of
engineering. For more demanding operating conditions (eg
-- fox hunts) I'd think a *visual* freq indicator will be
a requirement for some -- and it solves the problem of
tuning linearity that would be encountered with a 10-turn
counter. Question: is there room for a Blue Sky display in
the NC-20? Or, other freq display products... Wilderness,
AADE, etc ? I obviously haven't seen the latest NC-20
packaging :-)

Keep up the good work :-)

vry 72 - Conrad Weiss - NN6CW

Date: Fri, 13 Nov 1998 16:51:50 -0500
From: wb8ygg@juno.com
To: qrp-l@lehigh.edu
Subject: [25024] Epiphyte QRP-SSB on the air
Message-ID: <19981113.165150.10822.0.wb8ygg@juno.com>

Hi all,
I will try to put my Epiphyte on the air once again from the bush this weekend.
Last time I tried, I had a bit of a problem with the final.
I think I have the antenna ok now..
SO we'll see.

I will be trying to talk to Gary N2JGU on the hour Saturday night starting at 6:00 or so
EST. We'll be down around the bottom of the SSB band..
About 3755-3760 or so.

It all depends on when the dutch oven cooking contest ends!

73

Brad

"One of the TICK Guys"
Brad WB8YGG
<http://www.frontiernet.net/~embres>
embres@frontiernet.net

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 13 Nov 1998 16:00:03 -0600
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-l" <qrp-l@lehigh.edu>
Subject: [25025] Help Auto ON/OFF circuit for W7EL Wattmeter

Message-ID: <004701be0f51\$5984de00\$a10a5e2c@groucho>

One of the projects here is a W7EL watt meter. It's moving to the top of the list anyway. One of the mods I seem to recall was an auto on/off feature. I don't remember how it was done. Can someone refresh my memory or am I imagining this mod? Seems it wouldn't be too hard to do with a diode, cap. Resistor and FET. Maybe a transformer to boost the detection voltage.

Anyway I would like to incorporate this feature so when you transmit, it reads the SWR and Power. Help, ideas??

Thanks and 73 KA0GKC Cla

Date: Fri, 13 Nov 1998 17:07:06 -0500
From: Dale Scott <dcscott@us.ibm.com>
To: <qrp-1@Lehigh.EDU>
Subject: [25026] IC-706 Pinout Question
Message-ID: <5030100028489724000002L042*@MHS>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

If any of you have tried tuning an antenna while using an Icom IC-706's internal keyer, you know that you first have to go to the setup menu and turn the keyer off and then turn it back on when you are done (or switch to a different mode). On the back of the rig there is a Molex connector that was intended to be used to interface the rig to one of Icom's automatic tuners. I've been told that by simply shorting out two of the pins on that connector and depressing the CALL/TUNE button, the rig will transmit a continuous signal at the lowest RF output (which the rig should already be set for anyway - right!!). I'd like to build a shorting plug to leave on the back of my rig but don't have access to any schematics so am uncertain as to which pins to short

out. Are any of you aware of this 'mod' or have access to the pinout info for the Molex connector?

72 es tnx - dale/w7hlo

Dale C. Scott
IBM -- Engineering Technology Solutions
(206) 587-2784 8/277-2784

Internet: (work) dcscott@us.ibm.com
(home) dcscott@ibm.net
OV/VM: dcscott@ibmusm54
=

Date: Fri, 13 Nov 1998 16:08:26 -0600
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [25027] Final reminder for N/T+ FOX tonight!
Message-ID: <005801be0f52\$616386c0\$a10a5e2c@groucho>

I'll be on for 2 hours tonight (that's Friday for those reading this to late) starting at:
8:30pm EST, 7:30pm CST, 6:30pm MST, 5:30pm PST and 3:12 in Teaneck, NJ.

Look for me at 7.122 early, after that, only the Shadow knows!
Please see my previous posts for further details.

73 de KA0GKC Claton Cadmus

Date: Fri, 13 Nov 1998 16:12:16 -0600
From: Ed Manuel <n5em@flash.net>
To: qrp-1@lehigh.edu
Subject: [25028] FFT with PC Sound Card?
Message-ID: <3.0.5.32.19981113161216.008cf100@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I remember discussion of a software program that runs on a PC that does FFT with your PC's sound card (essentially, audio spectrum analysis).

Could someone remind me where this software is available?

Thanks

Ed Manuel, N5EM
Houston, Texas
n5em@amsat.org
n5em@flash.net

Date: Fri, 13 Nov 1998 14:48:10 -0800
From: "Bill Todd" <bill@willapabay.org>
To: <alan.kaul@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [25029] Re: E-v-e-n More Leonids
Message-ID: <001c01be0f57\$b14038a0\$255233d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Alan -

Thanks for the tips on working the Leonids shower.

It made sense to me (too) about aiming East during the peak periods, and then moving to West after it is completed.

We'll see what happens - I want to focus on CW, but I wonder if any other ops will be on the air, since the 17th does not occur on a major contest date.

CUL, Bill-N7MFB
<http://www.willapabay.org/~bill>
ICQ me @ 8926298

Date: Fri, 13 Nov 1998 14:50:55 -0800
From: Jim Lowman <jmlowman@ix.netcom.com>
To: qrp-1@lehigh.edu

Subject: [25030] Info. on Bobtail Curtain, Please!

Message-ID: <364CB7CF.ABB0EF9F@ix.netcom.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

About four Field Days ago, one of our club members came up with the idea of using a bobtail curtain antenna at our 40m station. It's a wire antenna that we built on site that year, and put it up about 60-70 feet above a site that's 5,700' up in the local mountains. Supposedly it exhibits some gain relative to a dipole, and has been good for 450-500 contacts on 40m each year since.

As an incentive for upgrading to General, my wife has bought the necessary wire, ladderline and hardware, with the intent to build one for 10m. Unfortunately, we can find little documented about this antenna in our fairly-extensive ham library.

She intended to raise this question during the various presentations at the antenna seminar at Pacificon, but we were both so blown away by the program that both of us neglected to ask.

Does anyone have any leads (no pun intended) on books or articles on this type antenna? I'd sure like to see a radiation pattern.

TNX in advance es 72 de Jim - AD6CW

Date: Fri, 13 Nov 1998 14:57:19 -0800

From: Pierre Constantineau <pierre@cmpe.ubc.ca>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [25031] QRP Classics and QRP Power Books

Message-ID: <364CB94F.FFFE0E3B@cmpe.ubc.ca>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hi everyone,

I would like to know the differences between qrp classics and qrp power. I know that QRP classics is out of print. Is it similar to qrp power in the fact that it is a reprint of numerous QST papers? What are the projects included?

Maybe someone could email me a brief list of the papers in the book.

This way, I'll be able to decide if it it wise to go hunt for the book, or simply go in a library and find the original qst papers.

Thanks

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-----o000--( _ )--000o-----
Pierre Constantineau  B.Eng      Email: pierre@cmpe.ubc.ca
M. Applied Sciences Candidate    Phone: (604) 822-2913
Flash Smelting Group            Fax:   (604) 822-4750
Centre For Metallurgical        111-2355 East Mall
Process Engineering             Vancouver, BC, Canada
U. of British Columbia .ooo0    V6T 1Z4
http://noname.cmpe.ubc.ca ( _ )  Oooo.  Amateur Radio: VE7JPC
-----\ (---( _ )-----
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```

Date: Fri, 13 Nov 1998 14:58:36 -0800
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@lehigh.edu
Subject: [25032] Re: FFT with PC Sound Card?
Message-ID: <364CB99C.2EC0DA7F@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed Manuel wrote:

> I remember discussion of a software program that runs on a PC that does FFT
> with your PC's sound card (essentially, audio spectrum analysis).

The following URL should get you what you're looking for.

<http://www.muenster.de/~welp/sb.htm>

=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Fri, 13 Nov 1998 18:24:05 -0500
From: Ed <edn4pk@voyageronline.net>
To: jmlowman@ix.netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25033] Re: Info. on Bobtail Curtain, Please!
Message-ID: <364CBF95.886EB355@voyageronline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jim, it has been covered in every ARRL Antenna book since Hector was a pup. Excellent antenna choice if you need some gain in a particular direction.

72/73.....Ed W3NR

Date: Fri, 13 Nov 1998 18:18:34 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: Claton Cadmus <applitech@mcg.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25034] Re: Help Auto ON/OFF circuit for W7EL Wattmeter
Message-ID:
<Pine.LNX.4.03.9811131806150.1490-1000000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

check out the circuit for the TANDEM match. It was in the Handbook I don't know what year. It has a circuit that will let this computing SWR/WATTMETER go to sleep when no sig is present. maybe this would be helpful to see how it is done there.

I currently have this one on the bench along with a version of the W7EL wattmeter that I am building as I type. I just did the meter scales for both. They look perfect. The only problem was after doing the metal work to mount the two meters in the "perfect" case..... I dropped one of the meters....it broke :-). The little jewel is no longer. Last night I gutted a triplatt meter and transplanted the guts (movement) to the broken meter. Then I redrilled the dial scale to mount on the new guts. I seems to work (yeah, one for the good guys)

If anyone has a weston model 1931 meter with good guts drop me a note....the front plastic is still good on min. It is about 3x3.5" with a plastic front .

I would like to buy it in case my fixer upper craps out.

Now to mount the range switch and pcb without breaking anything else.

73,

Jim (N2G0)

Date: Fri, 13 Nov 1998 18:28:24 -0800
From: k7sz@epix.net
To: sjolin@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25035] Re: 40M Calling Freq.
Message-ID: <364CEAC8.2B97@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>
> Qrp frequency in Europe is much lower in band. Dont remember exactly
> where but its no where near ours.
>
> 73 de Dave, N0IT

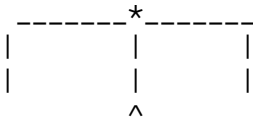
The European QRP frequency is 7030 kHz.

73 Rich K7SZ

Date: Fri, 13 Nov 1998 15:24:47 -0800
From: Grant Taylor <k7gt@qsl.net>
To: qrp-l@lehigh.edu
Subject: [25036] Re: Info. on Bobtail Curtain, Please!
Message-ID: <364CBFBF.388E@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Jim,

The Bobtail curtain is in the 1974 ARRL Antenna book. As configured there,
 it is three vertical sections (quarter wave each) spaced at 1/2 wavelength each
 and fed at the top by 1/2 wave wires



sorta as shown. The classic form is fed at the bottom: ^ with a high impedance tank circuit against ground. A more modern way of feeding it is to use coax at * and try to keep it perpendicular to both the vertical radiators and to the wire phasing sections. It can also be fed at the top of either of the other two vertical radiators , with coax.

It is a member of a class of antennas entitled SCVs (Self Contained Verticals) and has been discussed in articles by W4RNL on his web page.

The half-square, which has come up on this reflector a few times recently, is a simplification of the Bobtail.

A half-square should have gain of about 3 dB while a Bobtail should be about 5 or so, all as compared to a simple single 1/4 wave vertical.

Required reading: W4RNLs web page articles on SCVs. BTW: a quad loop fed at a side is in the same class of antennas!

A feature of the antenna that is interesting (at least to me) is it is a so-called binomial array. The currents in the radiating elements have a ratio of 1:2:1. This means that it is, in effect, two two-element arrays spaced so as to be arrayed, themselves! The antenna directivity pattern of the individual two-element array end up being multiplied by it all over again!

My take on this antenna is that it is a bit complicated for most field situations and that one would be better off with a horizontal antenna of some kind that could give ground reflective gain, especially if in a lofty ridge location... My personal next antenna experiment is a end-fire 2-element horizontal array composed of inverted dipole elements. On an interesting ridge, of course!

If you need any more info, please contact me privately.

Grant Taylor K7GT Pleasanton/Livermore CA k7gt@qsl.net

Date: Sat, 14 Nov 1998 00:26:05 +0100
From: "Johan Bodin" <sm6lkm.jbeab@swipnet.se>
To: <qrp-1@lehigh.edu>
Cc: <n5em@flash.net>
Subject: [25037] SV: FFT with PC Sound Card?
Message-ID: <199811132326.AAA15878@mb06.swip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi Ed & All

Ed Manuel wrote:

> Gang,
>=20
> I remember discussion of a software program that runs on a PC that =
does FFT
> with your PC's sound card (essentially, audio spectrum analysis).
>=20
> Could someone remind me where this software is available?
>=20
> Thanks

There is a very nice program available that runs on almost any =
Windows-95
or Windows NT machine, Spectrogram, or simply "Gram", written by Richard
Horne. It is freeware and you can download a special ham version from my
web site. You'll find a link to the official Spectrogram page there too.

I use the program to dig longwave beacons out of the noise and to =
receive
extremely slow ham CW signals that are buried under tons of noise on the
european long wave band (135.7 - 137.8 kHz).

<http://home4.swipnet.se/~w-41522/>

72 de Johan Bodin, SM6LKM

Date: Fri, 13 Nov 1998 09:29:43 -0500
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25038] Re: FOX: need Team member
Message-ID: <364C4257.44DCA42E@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
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Thanks Bruce!

Yes the Brass Pounders team is looking for additional members. We started out with just two. Alan KB7MBI, had to bug out. Marshall N1FN/VK5FN, has volunteered so we are back to two. But if anyone wants to sign up let me know. Maybe some of you got into this fox season late and missed the opportunity to get on a team.

Brass Pounders:

Ed AB8DF (Alpha Baker Ate Dead Fox) -thanks Steve- eakwikjr@hti.com
Marshall N1FN/VK5FN

Bruce Rattray wrote:

>
> ...we need someone to give the Brass Pounders some help asap folks!...I
> received an e-mail from Alan, KB7MBI, and he's going through one of life's

End of QRP-L Digest 1275

